APTD-0742

PB 203 083

FINAL REPORT
Emission Inventory
for the
State of New Jersey

IBM International Business Machines Corporation

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for the

State of New Jersey

August 27, 1971

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16. Abstracts

The results are presented of an emission inventory, by the State of New Jersey, of suspended particulates, sulfur dioxide, hydrocarbons, carbon monoxide and nitrogen oxides. The report provides the; assumptions, data sources and apportioning techniques for the following emission sources: Fuel combustion; evaporative sources; mobile sources; and open burning.

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Emission
Inventories
Combustion
Coal
Fuel oil
Natural gas
Marketing
Gasoline
Dry cleaning
Automobiles
Diesel engines
Railroads
Ships
Aircraft
Waste disposal

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Air Quality Control Regions
Open burning

17c. COSATI Field/Group 13B

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FINAL REPORT

Emission Inventory

for the

State of New Jersey

Prepared by

The IBM Corporation
Federal Systems Division
Gaithersburg, Maryland 20760

Prepared for:

The Environmental Protection Agency
Air Pollution Control Office
Durham, North Carolina 27701

Authorization:

Task Order Number 3
BOA 68-02-0043

August 27, 1971

FOREWORD

This report represents the results of the work performed under BOA 68-02-0043, Task Order Number 3, Environmental Protection Agency, Air Pollution Control Office. A note of thanks is due to Mr. E. J. Lillis and D. Dunbar of the EPA Project Office. Also due thanks is Mr. D. H. Barrett of the State of New Jersey Department of Environmental Protection, whose efforts contributed to the successful completion of this task.

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EMISSION INVENTORY

FOR THE

STATE OF NEW JERSEY

Section 1 - AREA DESCRIPTION

The State of New Jersey is divided into four Intrastate and Interstate air quality control regions as shown in Figure 1. These are:

a) The New Jersey portion of the New York - New Jersey Interstate Air Quality Control Region, consisting of Bergen, Essex, Hudson, Middlesex, Monmouth, Morris, Passaic, Somerset and Union counties.

b) The New Jersey portion of the Philadelphia Metropolitan Interstate Air Quality Control Region, consisting of Burlington, Camden, Gloucester, Mercer and Salem counties.

c) The New Jersey portion of the Northeastern Pennsylvania Interstate Air Quality Control Region, consisting of Hunterdon, Sussex and Warren counties.

d) The New Jersey Intrastate Air Quality Control Region consisting of Atlantic, Cape May, Cumberland and Ocean counties.

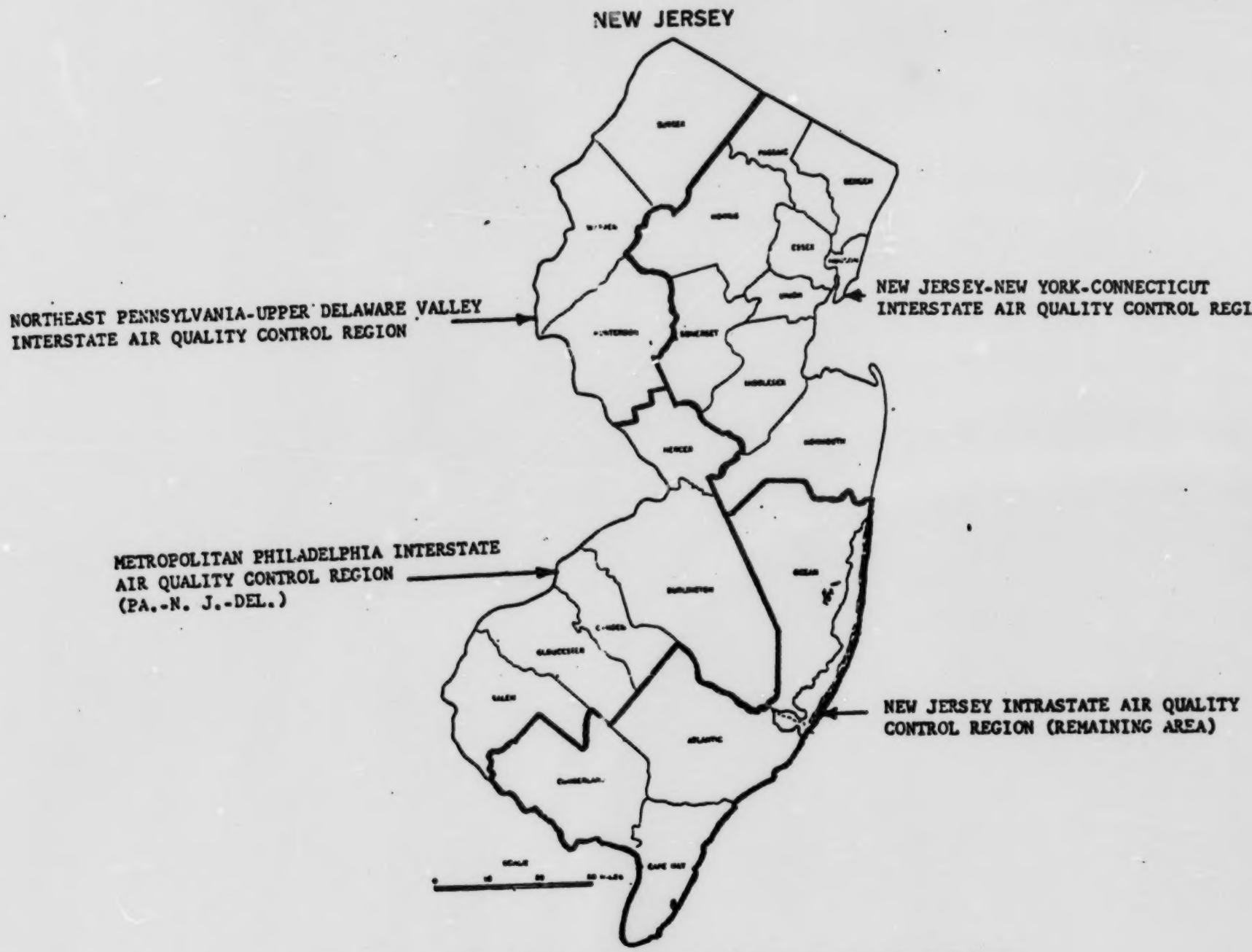
NEW JERSEY
NORTHEAST PENNSYLVANIA-UPPER DELAWARE VALLEY INTERSTATE AIR QUALITY CONTROL REGION
NEW JERSEY-NEW YORK-CONNECTICUT INTERSTATE AIR QUALITY CONTROL REGION
METROPOLITAN PHILADELPHIA INTERSTATE AIR QUALITY CONTROL REGION (PA.-N. J.-DEL.)
NEW JERSEY INTRASTATE AIR QUALITY CONTROL REGION (REMAINING AREA)

Figure 1- New Jersey Air Quality Control Regions

New Jersey has an area of 7,836 square miles. The state population according to the 1970 census was 7,168,164 with the greatest concentration in the northeast region. The Appalachian Mountains cross the northwest corner of the state with elevations varying from 1200 to 1500 feet above sea level. Elevations in the northeastern and north central portions vary from 200 to 800 feet. The remainder of the state consists of flat coastal terrain less than 100 feet above sea level. The state is bounded by the Delaware River on its western and southern borders for 245 miles and the Atlantic Ocean on the east.

The climate of the state is quite variable. The average annual temperature is 50°F in the northern areas and 55°F to the south. Winter temperatures average 28°F in the north and 35°F in the south, while the summer temperatures average approximately 70°F throughout the state. The average annual precipitation statewide is 46 inches.

Section 2 - TASK DESCRIPTION

The purpose of this task was to assist the State of New Jersey Department for Environmental Protection in the development of an emission inventory of suspended particulates, sulfur dioxide, hydrocarbons, carbon monoxide and nitrogen oxides, which would meet the requirements of the National Ambient Air Quality Standards as published in the Federal Register, Volume 36, Number 67, April 7, 1971. The effort consisted of the following:

a) Assist the State of New Jersey in preparation and distribution of questionnaires to potential sources of pollution.

b) Calculate estimated emissions of individual sources from data provided in the returned questionnaires.

c) Notify the state of data deficiencies and identify the additional data required.

d) Evaluate area source emissions using best current techniques.

e) Calculate the allowable emissions for each identified point source using maximum control technology based on New Jersey Department of Environmental Protection rules and regulations.

f) Format the resultant pollution data in accordance with the Federal Register requirements and provide these data as part of the Task Order Final Report.

Section 3 - METHODOLOGY

Point Sources

Point source questionnaires were sent to all potential polluters which met the requirements of Appendix C to the Federal Register, Volume 36, Number 67, April 7, 1971. Of the 429 questionnaires mailed, 330 were received in time to be processed and of these, information from 306 questionnaires was used in preparing the emission inventory. A copy of the cover letter and primary questionnaire is presented in Appendix C. On receipt, these questionnaires were reviewed by the State of New Jersey Department of Environmental Protection for completeness. The questionnaires were then forwarded to IBM, where they were analyzed and data forms prepared. Computer cards prepared from these forms were processed using a government-developed program which calculated the emissions from combustion sources. Emissions from process sources were hand calculated and provided as a direct entry into the computer system. A copy of the point source data form is provided in Appendix A.

Recontact of non-responding sources and sources where additional information was required was handled by the State of New Jersey Department of Environmental Protection.

When hand calculated emissions were required, the emission factors presented in "Air Pollution Emission Factors, Preliminary Document," by M. J. McGraw and R. L. Duprey, April 1971, were used. In cases where air pollution control equipment was indicated, the control devices were identified as such in the control device section of the point source data forms. The hand calculated emissions were then calculated to indicate the emissions before the control device factor was applied.

A map showing the location of prominent point sources in the State of New Jersey is presented in Figure 2.

Area Sources

Apartment houses were treated as housing units as defined in HC(VI)-32, 1970 Census of Housing, New Jersey, U. S. Department of Commerce, Bureau of the Census.

Area sources were generally treated in accordance with the procedures as specified in "Air Pollutant Emission Inventory Techniques," by P. J. Bierbaum and M. J. Gedgaudas. A description of the methodology, assumptions and data sources used is presented in the following paragraphs. A copy of the area source data form is included in Appendix B.

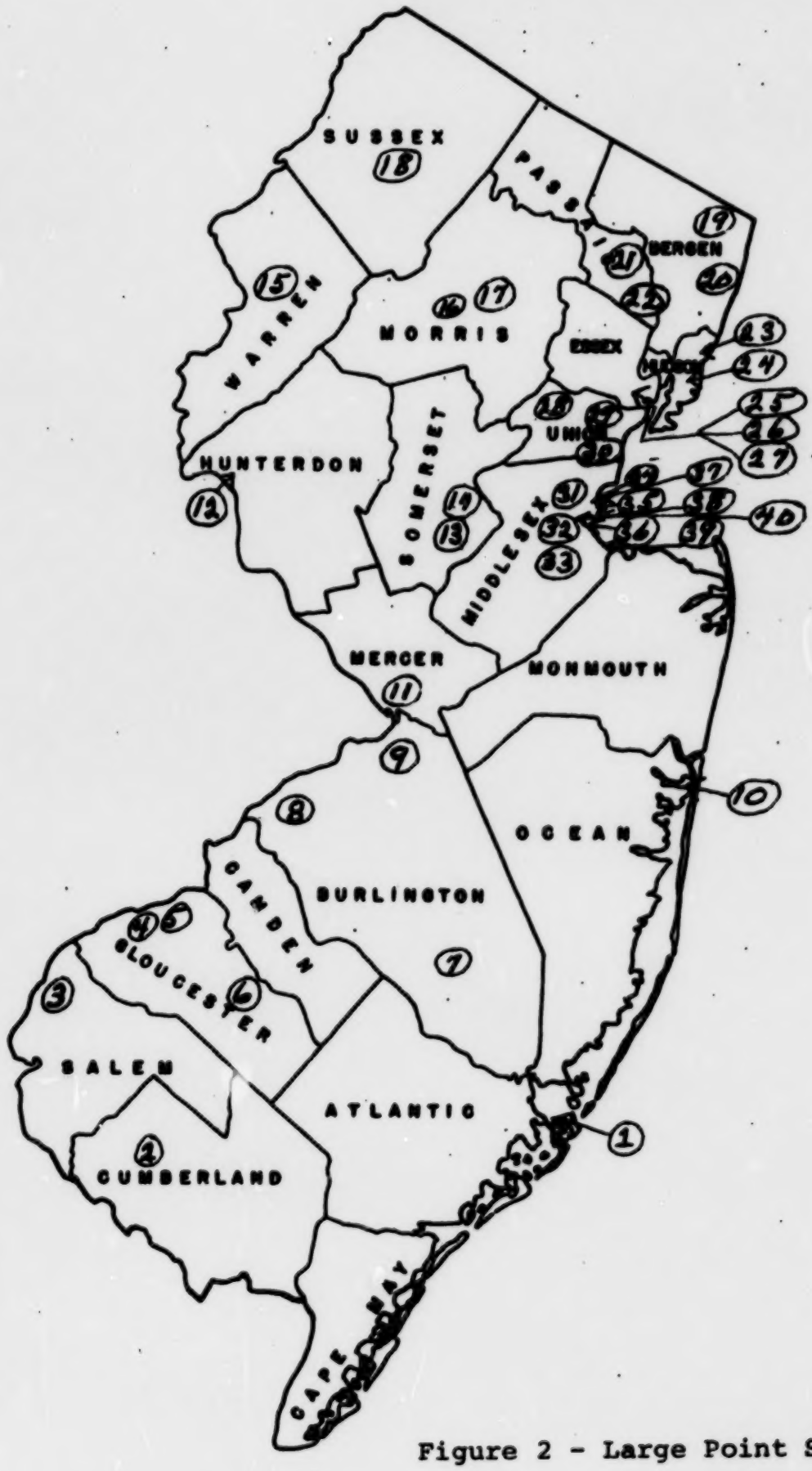

Figure 2 - Large Point Sources

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Large Point Sources

1. Atlantic City Electric
2. Owens-Illinois Glass
3. Goodrich Chemical Co.
4. Texaco Petroleum
5. Dupont de Nemours
6. Formigli Corporation
7. Griffin Pipe Co.
8. Hoeganaes Corporation
9. Public Service Electric
10. Toms River Chemical
11. Public Service Electric
12. Jersey Power and Light
13. American Cyanamid
14. GAF Corporation
15. Celanese Plastics
16. Picatinny Arsenal
17. Hercules, Inc.
18. Limestone Products of America
19. Curtis Wright Corporation
20. Public Service Electric
21. Warren Brothers Co.
22. Uniroyal

INDEX TO FIGURE 2

23. Public Service Electric
24. Humble Oil Co.
25. Ashland Chemical Co.
26. Humble Oil Co.
27. Public Service Electric
28. TENCO
29. E. I. Dupont
30. Merck Chemical
31. Titanium Pigment Industries
32. Union Carbide Corporation
33. Hercules, Inc.
34. Hess Oil Co.
35. U. S. Gypsum
36. International Smelting and Refining Co.
37. U. S. Metals Refining Co.
38. American Smelting and Refining Co.
39. Jersey Central Power
40. Public Service Electric

I. FUEL COMBUSTION

A. Coal

1) Assumptions:

a) All anthracite coal is used only by residential or industrial users.

b) Bituminous coal is used mainly by electric generating utilities with smaller amounts used by commercial retail and residential users.

c) All new houses constructed in the period 1961-1970 did not use coal for heating.

2) Data Sources:

a) Coal consumption figures for the year 1970 were provided by the State of New Jersey for bituminous coal, and by the State of Pennsylvania for anthracite coal. All anthracite coal consumed in New Jersey is from Pennsylvania.

b) 1967 Census of Business, Bureau of the Census.

c) 1969 county manufacturing employees data provided by the State of New Jersey.

d) U. S. Census of Housing, 1960, Bureau of the Census.

e) Natural gas consumption and user statistics for 1970 provided by the operating gas companies in the State of New Jersey.

3) Apportioning Techniques

a) Commercial coal apportioning factors were determined by using the number of county retail and wholesale establishments obtained by extrapolating the 1963 and 1967 census data to 1970.

b) Industrial coal apportioning factors were determined from the 1969 county manufacturing employees data. This data was provided by the State of New Jersey.

c) Residential coal apportioning factors were determined as follows:

- The 1960 housing census by county was used as a base for determing the number of houses using gas and coal.
- The number of conversions to gas during the period 1961 through 1970 as provided by the gas companies in New Jersey was used to determine the decrease in the number of houses using coal. The decrease in the number of coal user homes was in

the same proportion as the number of coal user homes to oil user homes indicated in the 1960 census.

d) The number of houses using coal in 1970 was determined as follows:

$$C_{70} = C_{60} - \left(\frac{C_{60}}{[C + O]_{60}} \times {}^{G}{}_{61\text{-}70 \text{ conversions}} \right)$$

C = Coal, O = Oil, G = Gas

B. Oil

1) Assumptions

a) All residual oil use is commercial and industrial.

b) Commercial residual oil for heating is equal to the sum of the National Oil Fuel Institute categories of Heating and Military.

c) Industrial residual oil is equal to the sum of the National Oil Fuel Institute categories of Industrial and Utilities.

d) National Fuel Oil Institute residual oil category - "Other" - is considered as input for processes such as asphalt paving.

e) The total of residential, commercial and government distillate oil, less state diesel, is equal to the sum of the National Oil Fuel Institute Distillate Oil and Kerosene categories of Heating and Military plus 50 percent "Other."

2) Data Sources

a) Residual and distillate oil data was provided by the State of New Jersey using information from the National Oil Fuel Institute and the United States Bureau of Mines.

b) 1967 Census of Business, Bureau of the Census.

c) 1969 county manufacturing employees data provided by the State of New Jersey.

d) U. S. Census of Housing, 1960, Bureau of the Census.

e) Natural gas consumption and user statistics for 1970 provided by the operating gas companies in the State of New Jersey.

3) Apportioning Techniques

a) Commercial oil apportioning factors were determined by using the number of county retail and wholesale establishments obtained by extrapolating the 1963 and 1967 census data to 1970.

b) Industrial oil apportioning factors were determined from the 1969 county manufacturing employees data. This data was provided by the State of New Jersey.

c) Residential distillate oil apportioning factors were determined from information provided by the State of New Jersey from United States Bureau of Mines data.

The amount of residential distillate oil used was determined as follows:

$$\text{Amt.} = \underset{\text{(oil)}}{\text{DU}} \times 0.18 \text{ gal} \times \text{Degree days} \times \frac{\text{Rooms/DU}}{5.0}$$

where:

DU - Dwelling units = 2,388,011

Degree days = 5,075

Rooms/DU = 5.2

C. Natural Gas

1) Assumptions

L.P. gas used in New Jersey was converted to equivalent natural gas using a factor of one gallon L.P. gas as equal to 350 cubic feet of natural gas. This factor was determined from the emission factors for natural and L.P. gas. Use of this factor will equalize the resultant emissions. The number of housing units using natural gas was therefore increased by the number of units using L. P. gas.

2) Data Sources

a) Natural gas use data for residential, industrial and commercial users was provided by the gas companies operating in the State of New Jersey.

b) 1969 county manufacturing employees data provided by the State of New Jersey.

c) 1967 Census of Business, Bureau of the Census.

3) Apportioning Techniques

a) The gas companies operating in New Jersey provided the number of residential gas users by gas company districts. In order to convert this data to counties an estimate was

made as to the percentage of the total gas company area each county comprises. The number of homes using gas was apportioned accordingly.

b) Commercial gas apportioning factors were determined by the number of county retail and wholesale establishments. These numbers were obtained by extrapolating the 1963 and 1967 census data to 1970. The gas companies provided the amount of gas used within this category.

c) Industrial gas apportioning factors were determined from the 1969 county manufacturing employees data provided by the State of New Jersey. The gas companies provided the amount of gas used within this category.

II. <u>Evaporative Sources</u>

A. Gasoline Marketing

1) Assumptions

a) Gasoline marketing evaporative losses in an area are proportional to the automobile usage or the automobile ownership within an area.

b) The number of splash and submerged fill gasoline storage tanks used in service

stations are approximately equal.

2) Data Sources

a) The number of gallons of gasoline sold within the state was provided by the State of New Jersey.

b) Data on vehicular travel was provided by the New Jersey Department of Transportation, Bureau of Highway Planning.

3) Apportioning Techniques

The total gasoline sold in the state was apportioned to the counties in proportion to the county daily vehicle miles traveled. Factors were entered in Column A-19, Other, of the APCO Area Source Data Form.

B. Dry Cleaning

1) Assumptions

a) The amount of dry cleaning evaporative losses is directly proportional to the amount of clothes cleaned, which in turn is proportional to the population in an area.

b) The factor of 25 pounds per capita per year for dry cleaning is assumed for New Jersey.

2) Data Sources

"1970 Census of Population," Bureau of the Census.

3) Apportioning Techniques

The amount of dry cleaning fluid evaporation was determined by using the factor of 2.7 pounds per capita per year as given in "Air Pollution Emission Factors, Preliminary Document," Environmental Protection Agency, April, 1971. This evaporative loss was apportioned to the counties in proportion to the population.

III. Mobile Sources

A. Automobile Sources

1) Assumptions

a) Automotive emissions are proportional to the gasoline used which is proportional to the vehicle miles driven or to the number of motor vehicles registered within an area.

b) An automobile travels an average of 12.5 miles to one gallon of gasoline.

c) 45 miles per hour is considered indicative of average rural vehicle speed, and 25 miles per hour as average urban vehicle speed.

2) Data Sources

Route Mileage and Vehicular Travel for New Jersey, New Jersey Department of Transportation, Bureau of Highway Planning.

3) Apportioning Techniques

Vehicle miles traveled were apportioned to each county as given in the data source provided by the State of New Jersey.

B. Diesel Road Vehicles

1) Assumptions

a) Diesel road vehicle emissions are proportional to the diesel fuel used which is proportional to the diesel road vehicle miles traveled.

b) Diesel road vehicle miles traveled are in the same proportion by county as the gasoline vehicle miles traveled.

2) Data Sources

a) Diesel road vehicle fuel amount for the year was provided by the State of New Jersey.

b) Route Mileage and Vehicular Travel for New Jersey, New Jersey Department of Transportation, Bureau of Highway Planning.

3) Apportioning Techniques

The diesel fuel amount was apportioned according to the county vehicle miles traveled as provided by the New Jersey Department of Transportation.

C. Railroad

1) Assumptions

a) Railroad distillate oil use is proportional to the track mileage or to the area of railroad property in each county.

b) Railroad residual oil is used for yard heating and its use is proportional to the area of railroad property in each county.

2) Data Sources

Total railroad distillate and residual oil used and railroad property acreage was provided by the State of New Jersey.

3) Apportioning Techniques

Railroad oil use was apportioned to each county according to the railroad property acreage in each county.

D. Vessels

1) Assumptions

Vessel fuel use is proportional to the length of state navigable shore line and rivers.

2) Data Sources

a) Vessel fuel oil consumption for the year was provided by the State of New Jersey based upon information obtained from the National Oil Fuel Institute.

b) Navigable water length from Coast and Geodetic Survey map of the State of New Jersey.

3) Apportioning Techniques

Vessel fuel use was apportioned in proportion to each county's navigable water length.

E. Aircraft

1) Assumptions

a) 35 per cent of aircraft operations consisted by turbofan-turbojet type aircraft.

b) 25 per cent of aircraft operations consisted of turboprop-turboshaft type aircraft.

c) 40 per cent of aircraft operations consisted of piston type aircraft.

d) Eleven airfields in the State of New Jersey accounted for over 80 per cent of aircraft operations in the year 1970.

2) Data Sources

Aircraft operation data was provided by the State of New Jersey Division of Aeronautics.

3) Apportioning Techniques

Aircraft operation data was used as presented by the New Jersey Division of Aeronautics.

IV. Open Burning

It was assumed that there was no open burning in the State of New Jersey.

Section 4 - NEW JERSEY EMISSION INVENTORY DATA

The emission data from the analysis performed during this study are presented in the form of pie charts and tables. The pie charts present a visual summary of the major categories of collected data, while the tabulations provide detailed results.

The following fuel parameters were used in the calculation of the emitted pollutant amounts for area sources. These fuel parameters were determined through inspection of the fuel parameter data provided in the point source questionnaires and the EPA Air Pollutant Emission Factor Document. Point source fuel parameters used were those reported in the questionnaires.

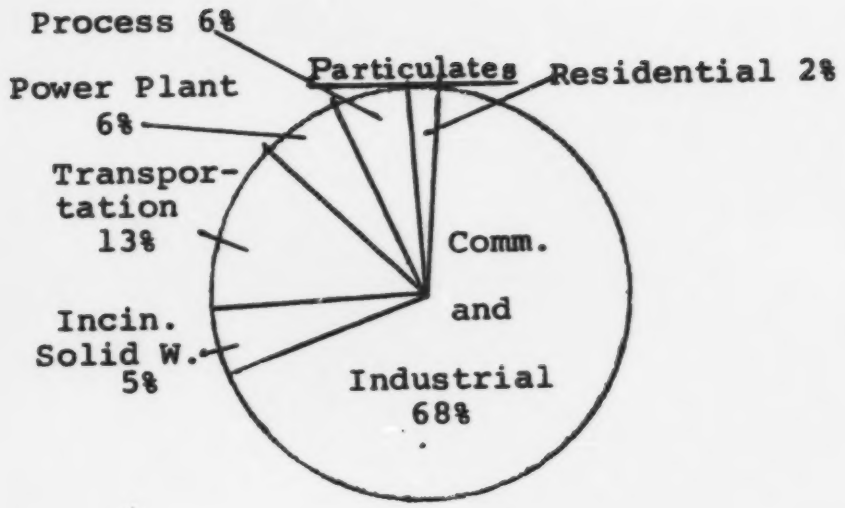
Fuel Parameters

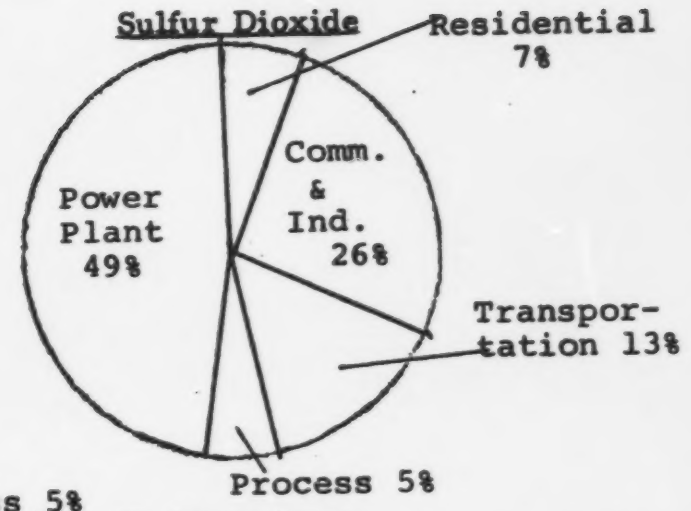
Fuel	Heat Content BTU	Ash Content %	Sulfur Content %
Bituminous Coal	22.0×10^6/ton	9.0	3.00
Residual Oil	160.0×10^3/gal	0	1.00
Distillate Oil	140.0×10^3/gal	0	0.50
Natural Gas	1,000/cu. ft.	0	0.0006

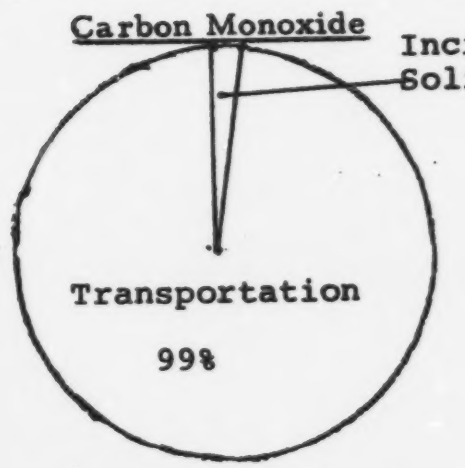
POLLUTANT SUMMARY

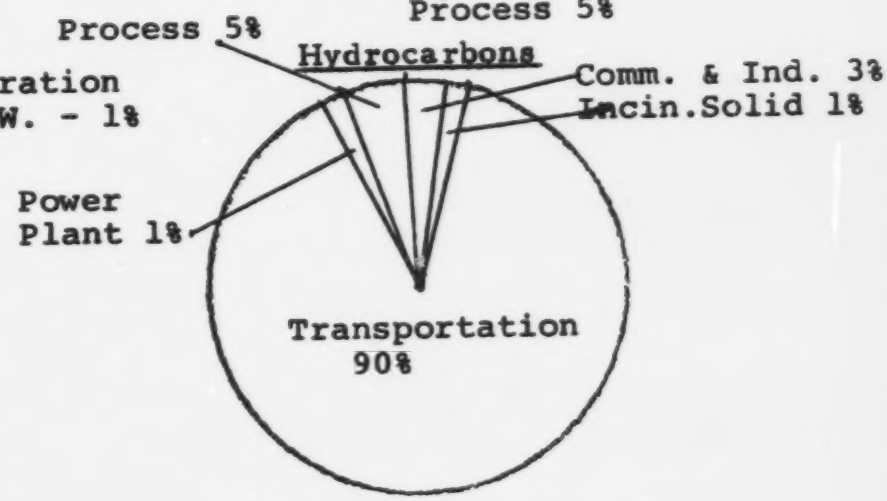
Tons per year

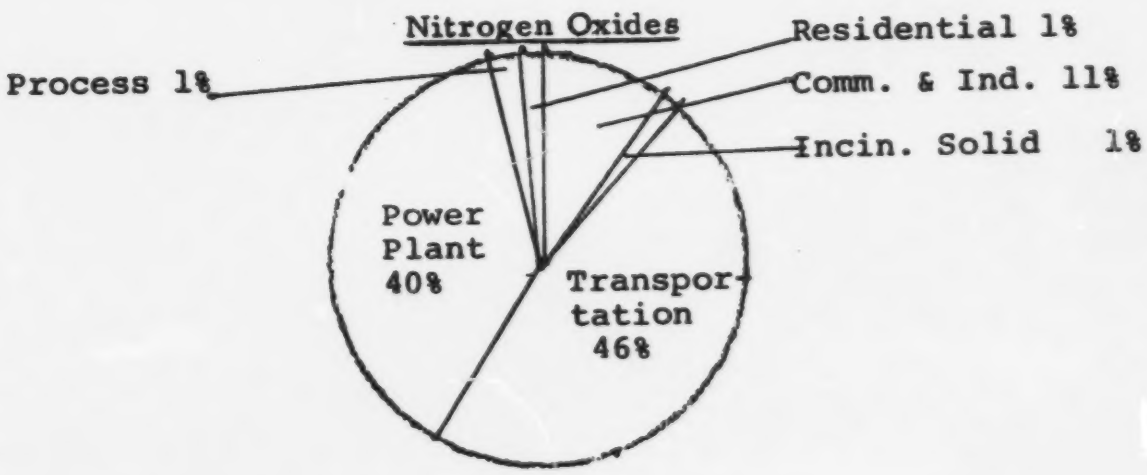
New Jersey Intrastate AQCR
Region 150









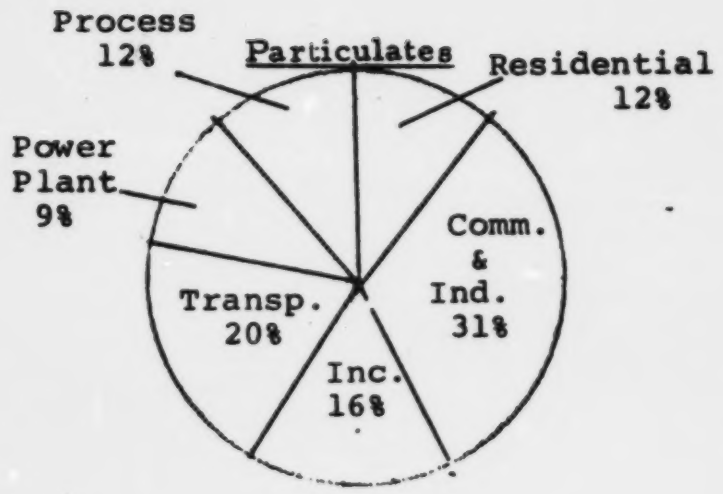


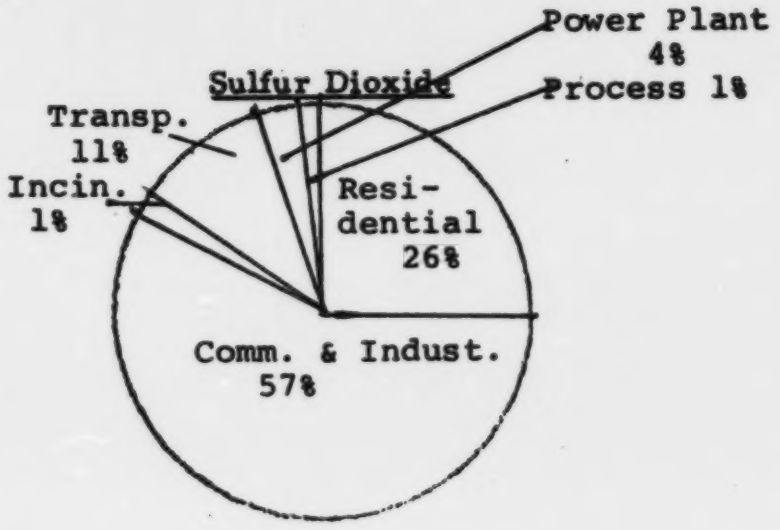
POLLUTANT SUMMARY

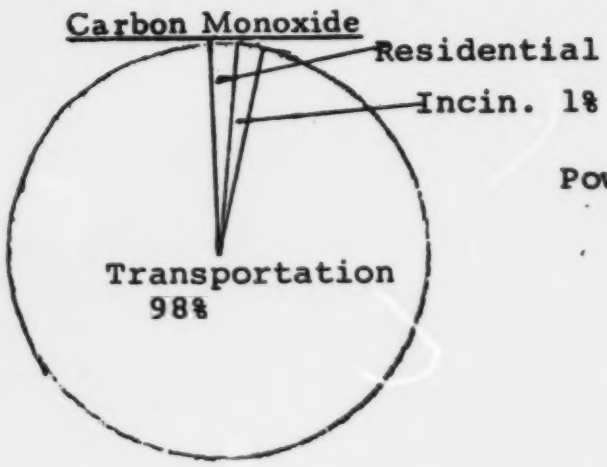
Tons per year

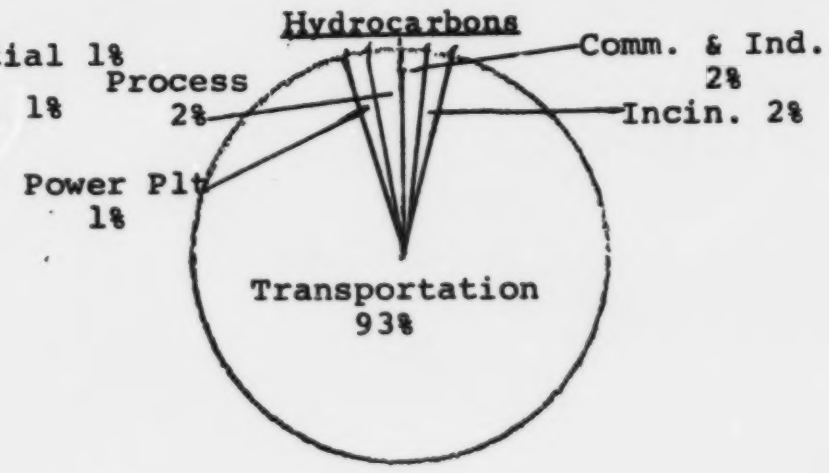
Northeast Pa. - Upper Del. Valley AQCR

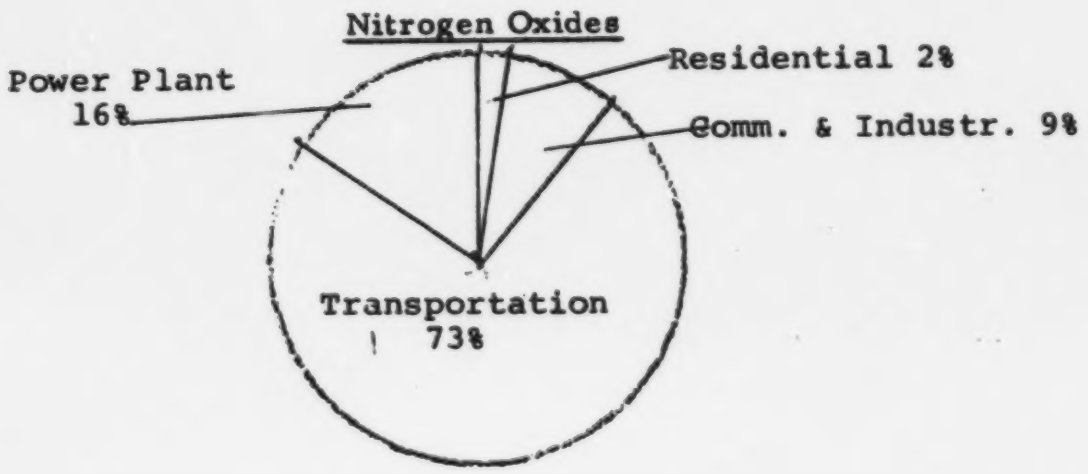
Region 151





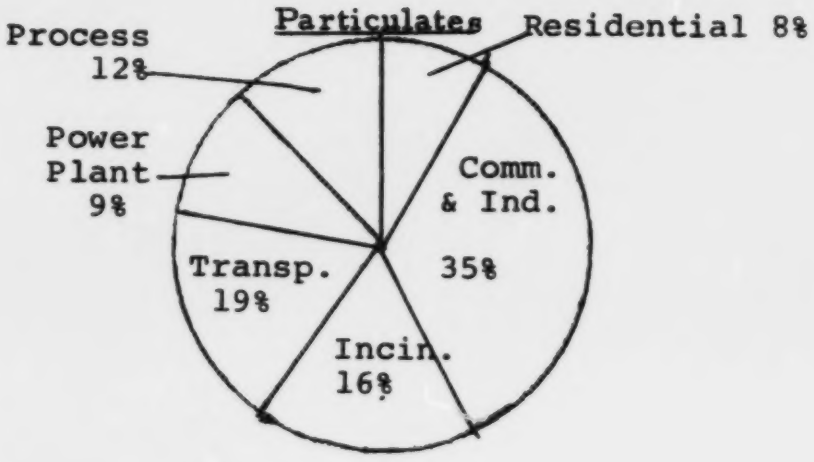


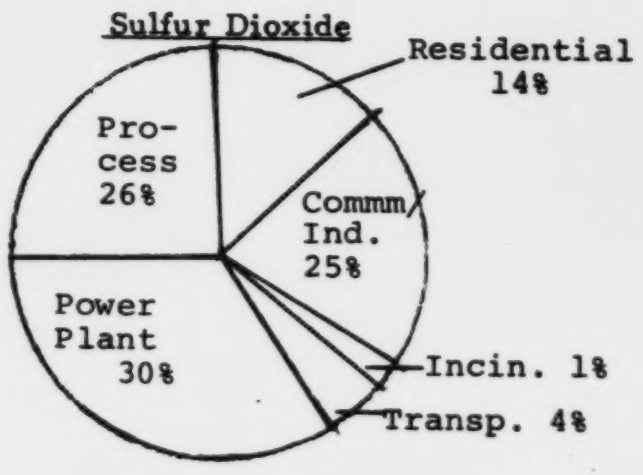


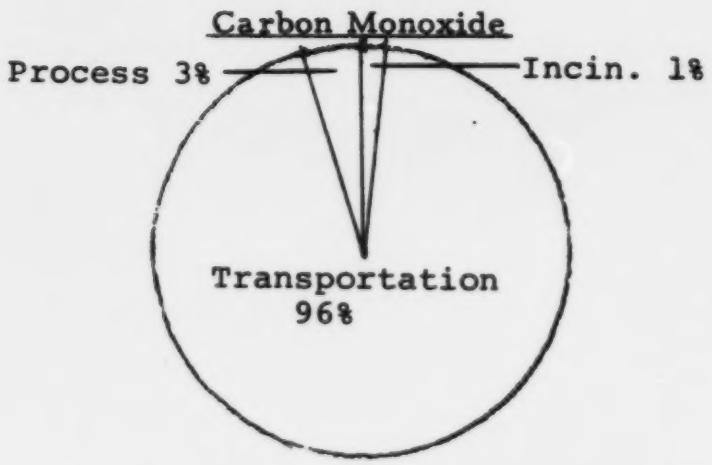


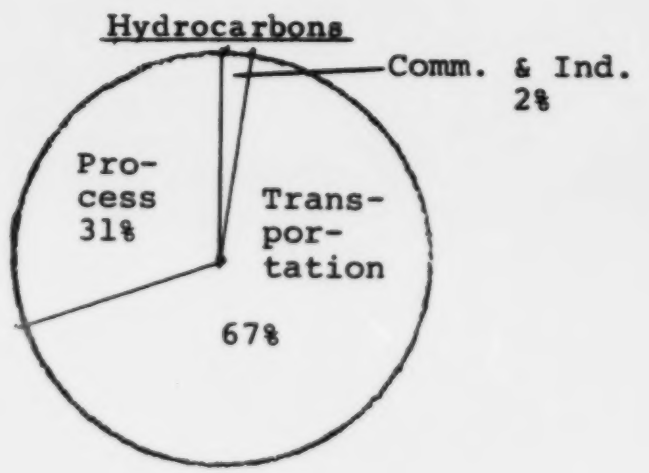
POLLUTANT SUMMARY
Tons per year

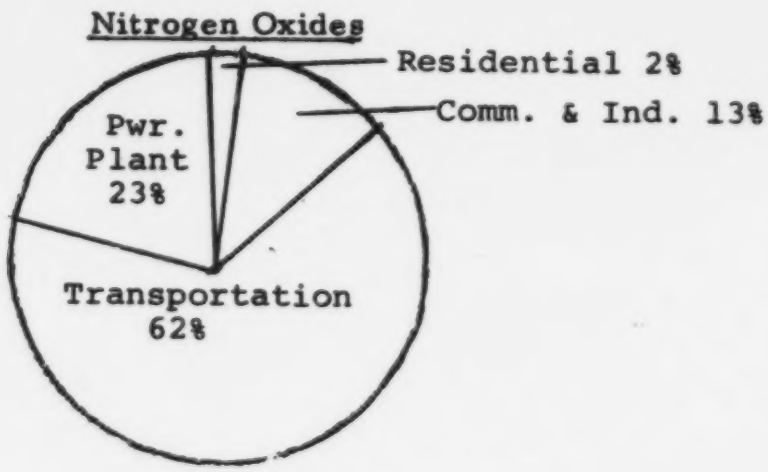
New Jersey-Connecticut AQCR
Region 043







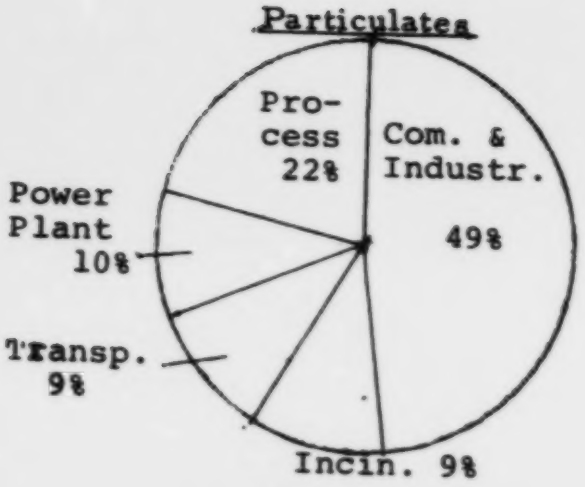


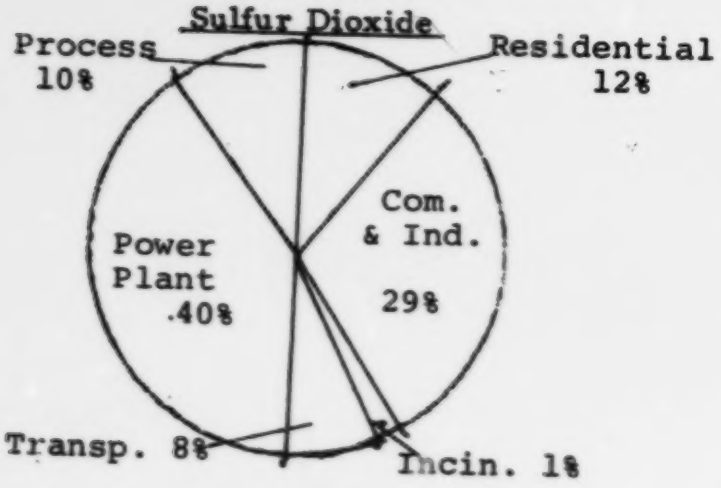


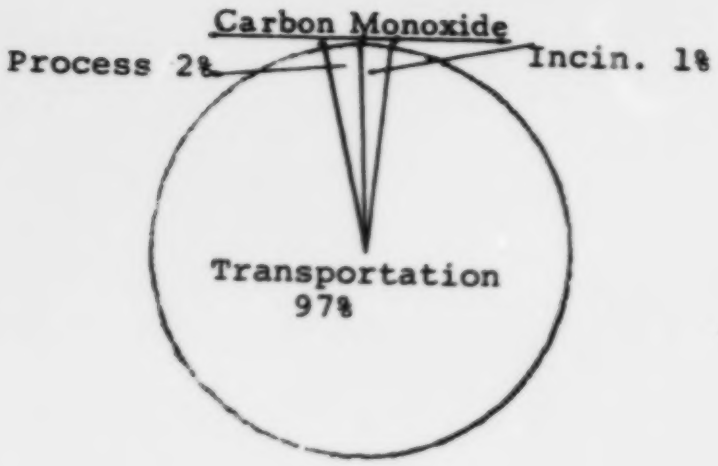
POLLUTANT SUMMARY

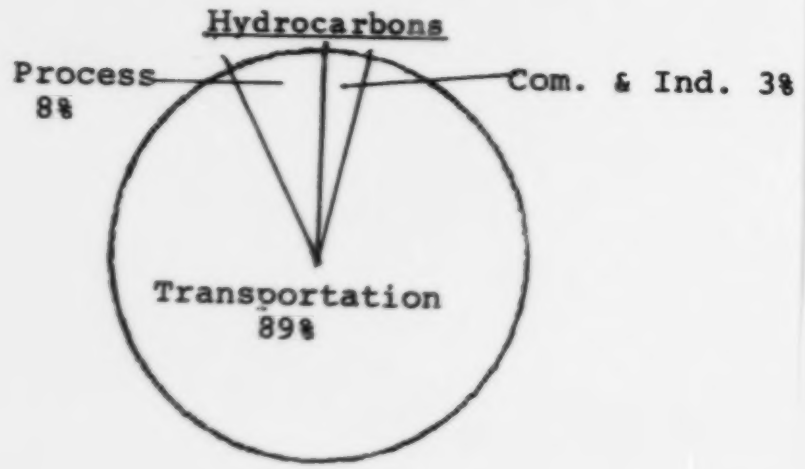
Tons per year

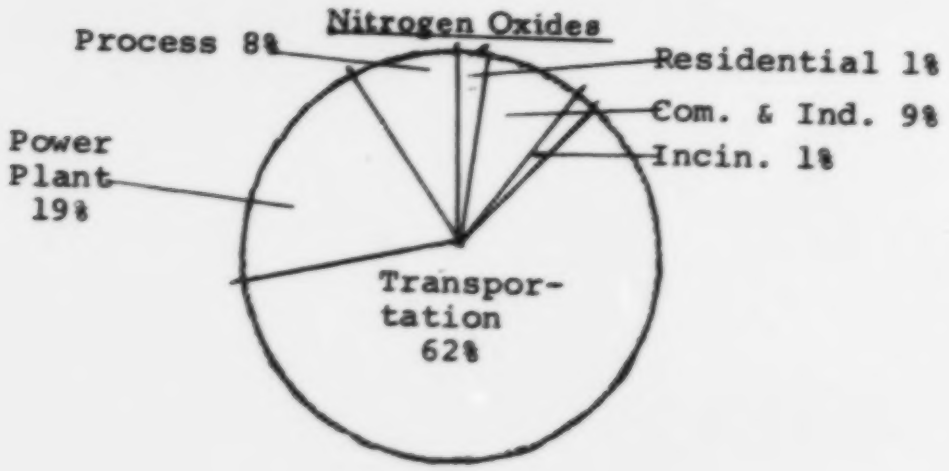
Metropolitan Philadelphia Interstate AQCR
Region 045











STATE OF NEW JERSEY

TOTAL EMISSIONS

Tons per Year

	Particulates	Sulfur Oxides	Carbon Monoxide	Hydrocarbon	Nitrous Oxides
[illegible]	[illegible]	29,623	14,732	[illegible]	12,[illegible]
[illegible]	[illegible]7,026	160,033	4,934	17,518	91,[illegible]
[illegible]	20,814	4,924	28,265	8,940	8,69[illegible]
[illegible]ansportation	25,930	36,505	3,742,747	681,935	449,[illegible]
[illegible]owe. Plants	15,691	206,500	1,862	5,855	166,053
Processes	25,012	125,915	113,448	125,858	13,682
Total	175,122	613,498	3,905,968	844,425	714,653

STATE OF NEW JERSEY

Region 150

Tons per Year

	Particulates	Sulfur Oxides	Carbon Monoxide	Hydrocarbon	Nitrous Oxides
Residential	532	5,470	378	181	988
Commercial and Industry	19,064	20,494	390	1,286	9,305
Incineration	1,290	276	1,842	553	552
Transportation	3,679	10,068	221,770	44,414	37,687
Power Plants	1,643	38,219	458	698	33,374
Processes	1,797	3,541	-	2,129	698
Total	28,005	78,068	224,838	49,261	82,604

STATE OF NEW JERSEY

Region 151

Tons per Year

	Particulates	Sulfur Oxides	Carbon Monoxide	Hydrocarbon	Nitrous Oxides
Residential	357	2,112	663	170	358
Commercial and Industry	917	4,545	125	423	2,035
Incineration	463	99	662	425	199
Transportation	595	903	95,230	18,496	16,830
Power Plants	240	318	2	188	3,600
Processes	355	60	-	252	-
Total	2,927	8,037	96,682	19,954	23,022

STATE OF NEW JERSEY

Region 043

Tons per Year

	Particulates	Sulfur Oxides	Carbon Monoxide	Hydrocarbon	Nitrous Oxides
Residential	7,525	59,670	10,954	3,204	8,888
Commercial and Industry	31,017	106,646	3,594	11,647	64,844
Incineration	14,395	3,519	20,404	6,128	6,119
Transportation	16,889	17,224	2,690,730	485,138	298,116
Power Plants	8,548	128,392	840	4,068	99,170
Processes	11,054	112,698	98,728	222,850	1,178
Total	89,428	428,140	2,825,250	733,035	478,315

STATE OF NEW JERSEY

Region 045

Tons per Year

	Particulates	Sulfur Oxides	Carbon Monoxide	Hydrocarbon	Nitrous Oxides
Residential	1,735	12,369	2,717	764	2,075
Commercial and Industry	26,628	28,348	825	4,162	15,213
Incineration	4,666	1,030	5,357	1,834	1,823
Transportation	4,767	8,310	735,017	133,887	96,886
Power Plants	5,260	39,571	562	901	29,909
Processes	11,806	9,616	14,720	11,627	11,806
Total	54,862	99,244	759,198	153,175	157,712

SOURCE NUMBER 1 REGION NUMBER 1SOPOLITICAL JURISDICTION 1 COUNTY NAME ATLANTIC COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	10.		18.		28.		6.		2.		962.	
OIL	151.		2142.		75.		49.		181.		30176.	
NATL.GAS	27.		1.		28.		11.		105.		2801.	
COM&IND												
COAL	79.		23.		30.		7.		3.		1214.	
RES.OIL	15.		99.		0.		2.		38.		1264.	
DIST.OIL	477.		4520.		6.		95.		1910.		63665.	
NATL.GAS	8.		0.		9.		3.		33.		870.	
NON-PT												
COAL	4999.		1461.		77.		38.		577.		76912.	
RES.OIL	29.		200.		0.		4.		76.		2544.	
DIST.OIL	33.		314.		0.		7.		133.		4423.	
NATL.GAS	6.		0.		0.		14.		61.		699.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	0.		0.		0.		0.		0.		0.	
SOLVENT	0.		0.		0.		193.		0.		193.	
VESSELS	204.		1162.		532.		409.		527.		16360.	
RAILRD	26.		67.		73.		52.		70.		2075.	
DIESEL	71.		128.		923.		165.		965.		5677.	
OTHER	0.		0.		0.		4357.		0.		726234.	
AS 25MPH	109.		66.		34434.		5668.		3262.		329509.	
AS 45MPH	190.		115.		38019.		7373.		6682.		576050.	
OTHER	0.		0.		0.		0.		0.		0.	
AJDPCL												
1	0.		0.		0.		0.		0.		0.	
2	0.		0.		0.		0.		0.		0.	
3	0.		0.		0.		0.		0.		0.	
4	0.		0.		0.		0.		0.		0.	
5	0.		0.		0.		0.		0.		0.	
6	0.		0.		0.		0.		0.		0.	
7	0.		0.		0.		0.		0.		0.	
8	0.		0.		0.		0.		0.		0.	
9	0.		0.		0.		0.		0.		0.	
10	0.		0.		0.		0.		0.		0.	
11	0.		0.		0.		0.		0.		0.	
12	0.		0.		0.		0.		0.		0.	
13	0.		0.		0.		0.		0.		0.	
14	0.		0.		0.		0.		0.		0.	
15	0.		0.		0.		0.		0.		0.	

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:150 POLITICAL JURISDISCTION: 1

NOT REPRODUCIBLE

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	4.	0.	0.	0.	0.		
FUEL COMBUST	1665.	38234.	459.	738.	33561.		
POWER PLANT	1643.	38219.	458.	698.	33374.		
BITUMINOUS COAL	784.	35140.	453.	136.	22365.	905979.	((TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
RESIDUAL OIL	768.	3066.	4.	480.	10076.	191916.	((1000 GAL/YR)
DISTILLATE OIL	65.	13.	1.	13.	260.	8659.	((1000 GAL/YR)
NATURAL GAS	26.	0.	1.	69.	674.	3454.	((10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	22.	15.	0.	41.	187.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
RESIDUAL OIL	4.	15.	0.	1.	11.	374.	((1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	((1000 GAL/YR)
NATURAL GAS	18.	1.	0.	40.	176.	2006.	((10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	0.	0.	0.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
TOTAL EMISSIONS	1669.	38234.	459.	738.	33561.		

SOURCE NUMBER 2 REGION NUMBER 150POLITICAL JURISDICTION 2 COUNTY NAME CAPE MAY COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	1.		1.		2.		0.		0.		74.	
OIL	37.		523.		18.		11.		44.		7360.	
NATL.GAS	23.		1.		24.		10.		89.		2381.	
COMMCIND												
COAL	34.		10.		13.		3.		1.		524.	
RES.OIL	6.		43.		0.		1.		16.		546.	
DIST.OIL	206.		1952.		3.		41.		825.		27492.	
NATL.GAS	4.		0.		4.		2.		14.		376.	
NON-PT												
COAL	385.		112.		6.		3.		44.		5916.	
RES.OIL	2.		15.		0.		0.		6.		196.	
DIST.OIL	3.		24.		0.		1.		10.		340.	
NATL.GAS	0.		0.		0.		1.		5.		54.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	0.		0.		0.		0.		0.		0.	
SOLVENT	0.		0.		0.		97.		0.		97.	
VESSELS	545.		3097.		1418.		1091.		1592.		43626.	
RAILRD	16.		41.		44.		32.		47.		1260.	
DIESEL	22.		39.		284.		57.		297.		1747.	
OTHER	0.		0.		0.		1341.		0.		223457.	
AS 25MPH	7.		4.		2296.		378.		217.		21967.	
AS 45MPH	98.		60.		19643.		3810.		3452.		297626.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	0.		0.		0.		0.		0.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION: 150 POLITICAL JURISDISCTION: 2

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	400.	0.	0.	0.	0.		
FUEL COMBUST	177.	612.	2.	23.	462.		
POWER PLANT	0.	0.	0.	0.	0.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	177.	612.	2.	23.	462.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	177.	612.	2.	23.	462.	15390.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	1.	0.	1.	1.	0.		
MUNCIP INCINER	1.	0.	1.	1.	0.	100.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	578.	612.	3.	24.	462.		

SOURCE NUMBER 3 REGION NUMBER 150POLITICAL JURISDICTION 3 COUNTY NAME CUMBERLD COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	4.		8.		13.		3.		.1.		444.	
OIL	140.		1986.		70.		42.		168.		27968.	
NATL.GAS	17.		1.		19.		7.		68.		1821.	
COMM&IND												
COAL	39.		12.		15.		4.		2.		607.	
RES.OIL	7.		50.		0.		1.		19.		632.	
DIST.OIL	239.		2260.		3.		48.		955.		31833.	
NATL.GAS	4.		0.		4.		2.		16.		435.	
NON-PT												
COAL	9614.		2810.		148.		74.		1109.		147908.	
RES.OIL	56.		384.		0.		7.		147.		4891.	
DIST.OIL	64.		604.		1.		13.		255.		8506.	
NATL.GAS	12.		0.		0.		27.		118.		1345.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	1289.		276.		1841.		552.		552.		368256.	
SOLVENT	0.		0.		0.		97.		0.		97.	
VESSELS	307.		1742.		798.		613.		896.		24540.	
RAILRD	22.		50.		62.		44.		67.		1779.	
DIESEL	41.		74.		532.		106.		557.		3275.	
OTHER	0.		0.		0.		2514.		0.		418981.	
AS 25MPH	72.		44.		22956.		3778.		2175.		219672.	
AS 45MPH	95.		58.		19010.		3687.		3341.		289025.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	0.		0.		0.		0.		0.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:150 POLITICAL JURISDISCTICN: 3

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	1365.	3469.	0.	29.	392.		
FUEL COMBUST	33.	103.	0.	21.	143.		
POWER PLANT	0.	0.	0.	0.	0.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND.COMM.INST.	33.	103.	0.	21.	143.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	24.	101.	0.	3.	63.	2351.	(1000 GAL/YR)
DISTILLATE OIL	1.	2.	0.	0.	3.	420.	(1000 GAL/YR)
NATURAL GAS	8.	0.	0.	17.	76.	914.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	0.	0.	0.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	1398.	3572.	0.	50.	535.		

SOURCE NUMBER 4 REGION NUMBER 15 POLITICAL JURISDICTION 4 COUNTY NAME OCEAN COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	1.		3.		4.		1.		0.		148.	
OIL	55.		784.		28.		17.		66.		11040.	
NATL.GAS	67.		2.		70.		28.		263.		7004.	
COM&IND												
COAL	63.		18.		24.		6.		2.		966.	
RES.OIL	12.		79.		0.		2.		30.		1005.	
DIST.OIL	380.		3556.		5.		76.		1519.		50643.	
NATL.GAS	7.		0.		7.		3.		26.		692.	
NON-PT												
COAL	1923.		562.		30.		15.		222.		29582.	
RES.OIL	11.		77.		0.		1.		29.		978.	
DIST.OIL	13.		121.		0.		3.		51.		1701.	
NATL.GAS	2.		0.		0.		5.		24.		269.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	0.		0.		0.		0.		0.		290.	
SOLVENT	0.		0.		0.		290.		1493.		40894.	
VESSELS	511.		2904.		1329.		1022.		56.		1482.	
RAILRD	19.		48.		52.		37.		1039.		6114.	
DIESEL	76.		138.		994.		199.		0.		782098.	
OTHER	0.		0.		0.		4693.		2610.		263607.	
AS 25MPH	87.		53.		27547.		4534.		7796.		672059.	
AS 45MPH	222.		134.		44356.		8802.		0.		0.	
OTHER	0.		0.		0.		0.					
ACCPCL												
1	724.		206.		6316.		1682.		439.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:150 POLITICAL JURISDISCTION: 4

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	28.	72.	0.	2100.	306.		
FUEL COMBUST	99.	415.	2.	17.	238.		
POWER PLANT	0.	0.	0.	0.	0.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	99.	415.	2.	17.	238.		
BITUMINOUS COAL	23.	29.	2.	1.	11.	1500.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	69.	382.	1.	9.	180.	6000.	(1000 GAL/YR)
DISTILLATE OIL	5.	5.	0.	1.	21.	688.	(1000 GAL/YR)
NATURAL GAS	3.	0.	0.	6.	26.	300.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	0.	0.	0.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	127.	487.	2.	2117.	544.		

SOURCE NUMBER 1 REGION NUMBER 151POLITICAL JURISDICTION 1 COUNTY NAME HUNTERDN COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	30.		56.		86.		18.		7.		2968.	
OIL	51.		727.		26.		15.		61.		10237.	
NATL.GAS	20.		1.		21.		8.		79.		2101.	
COMMEIND												
COAL	4.		12.		16.		4.		2.		623.	
RES.OIL	2.		12.		0.		0.		5.		157.	
DIST.OIL	59.		562.		1.		12.		237.		7909.	
NATL.GAS	1.		0.		1.		0.		4.		108.	
NON-PT												
COAL	148.		433.		23.		11.		171.		22778.	
RES.OIL	9.		59.		0.		1.		23.		753.	
DIST.OIL	10.		93.		0.		2.		39.		1310.	
NATL.GAS	2.		0.		0.		4.		14.		207.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	181.		39.		259.		78.		78.		51786.	
SOLVENT	0.		0.		0.		97.		0.		97.	
VESSELS	0.		0.		0.		0.		0.		0.	
RAILRD	54.		140.		150.		107.		161.		4299.	
DIESEL	29.		52.		376.		75.		393.		2313.	
OTHER	0.		0.		0.		178.		0.		29593.	
AS 25MPH	0.		0.		0.		0.		0.		0.	
AS 45MPH	158.		96.		31678.		6144.		5568.		479975.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	0.		0.		0.		0.		0.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

EMISSION INVENTORY

REGION:151 POLITICAL JURISDISCTION: 1

NOT REPRODUCIBLE

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	0.	0.	0.	0.	0.		
FUEL COMBUST	295.	700.	2.	195.	3530.		
POWER PLANT	240.	318.	2.	188.	3386.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
RESIDUAL OIL	221.	317.	1.	138.	2898.	55200.	((1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	((1000 GAL/YR)
NATURAL GAS	19.	1.	0.	50.	488.	2500.	((10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	55.	382.	0.	7.	144.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
RESIDUAL OIL	55.	382.	0.	7.	144.	4800.	((1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	((1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	((10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	0.	0.	0.	226.	0.		
MUNCIP INCINER	0.	0.	0.	226.	0.	0.	((TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
CO-SITE INCIN.	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
TOTAL EMISSIONS	295.	700.	2.	421.	3530.		

SOURCE NUMBER 2 REGION NUMBER 151POLITICAL JURISDICTION 2 COUNTY NAME SUSSEX COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	30.		56.		86.		18.		7.		2968.	
OIL	35.		494.		17.		10.		42.		6961.	
NATL.GAS	12.		0.		13.		5.		47.		1261.	
COM&IND												
COAL	4.		13.		17.		4.		2.		679.	
RES.OIL	2.		13.		0.		0.		5.		171.	
DIST.OIL	65.		613.		1.		13.		259.		8628.	
NATL.GAS	1.		0.		1.		0.		4.		118.	
NON-PT												
COAL	21.		62.		3.		2.		24.		3254.	
RES.OIL	1.		8.		0.		0.		3.		108.	
DIST.OIL	1.		13.		0.		0.		6.		187.	
NATL.GAS	0.		0.		0.		1.		3.		30.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	0.		0.		0.		0.		0.		0.	
SOLVENT	0.		0.		0.		97.		0.		97.	
VESSELS	0.		0.		0.		0.		0.		0.	
RAILRD	35.		92.		99.		70.		106.		2817.	
DIESEL	21.		37.		269.		54.		281.		1652.	
OTHER	0.		0.		0.		127.		0.		21138.	
AS 25MPH	9.		6.		3007.		495.		245.		28774.	
AS 45MPH	95.		58.		19007.		3586.		3341.		287985.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	0.		0.		0.		0.		0.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:151 POLITICAL JURISDISCTION: 2

NOT REPRODUCIBLE

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	287.	60.	0.	40.	0.		
FUEL COMBUST	6.	14.	0.	1.	19.		
POWER PLANT	0.	0.	0.	0.	0.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	6.	14.	0.	1.	19.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	6.	13.	0.	1.	15.	507.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	4.	75.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	0.	0.	0.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	293.	74.	0.	41.	19.		

SOURCE NUMBER 3 REGION NUMBER 151POLITICAL JURISDICTION 3 COUNTY NAME WARREN COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
COMESTIC												
COAL	134.		254.		387.		80.		33.		13356.	
CIL	37.		523.		18.		11.		44.		7371.	
NATL.GAS	9.		0.		10.		4.		37.		980.	
COMM&IND												
COAL	4.		11.		14.		3.		1.		566.	
RES.OIL	2.		11.		0.		0.		4.		143.	
DIST.OIL	54.		510.		1.		11.		216.		7190.	
NATL.GAS	1.		0.		1.		0.		4.		98.	
NON-PT												
COAL	296.		866.		46.		23.		342.		45555.	
RES.OIL	17.		118.		0.		2.		45.		1506.	
DIST.OIL	20.		186.		0.		4.		79.		2620.	
NATL.GAS	4.		0.		0.		3.		36.		414.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	282.		60.		403.		121.		121.		80556.	
SOLVENT	0.		0.		0.		97.		0.		97.	
VESSELS	0.		0.		0.		0.		0.		0.	
RAILRO	65.		169.		182.		130.		195.		5189.	
DIESEL	27.		48.		349.		70.		365.		2148.	
OTHER	0.		0.		0.		165.		0.		27479.	
AS 25MPH	47.		29.		15034.		2475.		1424.		143871.	
AS 45MPH	127.		77.		25343.		4915.		4454.		383960.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPCL												
1	0.		0.		0.		0.		0.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

NOT REPRODUCIBLE

REGION:151 POLITICAL JURISDICTION: 3

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	68.	C.	0.	212.	0.		
FUEL COMBUST	47.	270.	C.	6.	126.		
POWER PLANT	0.	0.	0.	0.	C.		
BITUMINOUS COAL	C.	C.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	C.	0.	C.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	C.	C.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	C.	0.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	47.	270.	0.	6.	126.		
BITUMINOUS COAL	0.	C.	0.	0.	C.	C.	(TONS/YEAR)
ANTHRACITE COAL	0.	C.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	46.	270.	C.	6.	120.	4000.	(1000 GAL/YR)
DISTILLATE OIL	1.	0.	0.	0.	6.	185.	(1000 GAL/YR)
NATURAL GAS	C.	0.	0.	0.	0.	0.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	C.		
SOLID WASTE	0.	0.	0.	0.	C.		
MUNCIP INCINER	0.	0.	0.	C.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	C.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	C.	(TONS/YEAR)
OTHER	0.	C.	C.	C.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	115.	270.	0.	218.	126.		

SOURCE NUMBER 1 REGION NUMBER 043POLITICAL JURISDICTION 22 COUNTY NAME BERGEN COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	241.		459.		700.		145.		60.		24147.	
OIL	434.		6166.		217.		130.		521.		86851.	
NATL.GAS	159.		5.		167.		67.		626.		16687.	
COMMRIND												
COAL	91.		265.		349.		84.		35.		13971.	
RES.OIL	34.		0.		0.		4.		89.		2981.	
DIST.OIL	1126.		10656.		15.		225.		4503.		150089.	
NATL.GAS	19.		1.		21.		8.		77.		2051.	
NON-PT												
COAL	1464.		4281.		225.		113.		1690.		225301.	
RES.OIL	86.		585.		1.		11.		224.		7452.	
DIST.OIL	97.		920.		1.		19.		389.		12957.	
NATL.GAS	18.		1.		0.		41.		179.		2049.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	2581.		553.		3688.		1106.		1106.		737555.	
SOLVENT	0.		0.		0.		1146.		0.		1146.	
VESSELS	204.		1162.		532.		409.		597.		16360.	
RAILRD	47.		123.		133.		95.		142.		3793.	
DIESEL	362.		652.		4712.		942.		4929.		28995.	
OTHER	0.		0.		0.		3333.		0.		555486.	
AS 25MPH	1541.		934.		488107.		80339.		46242.		4670884.	
AS 45MPH	32.		19.		6432.		1247.		1130.		97451.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	1860.		530.		16347.		4337.		1126.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:043 POLITICAL JURISDISCTION:22

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	131.	9.	2160.	2532.	0.		
FUEL COMBUST	4060.	39242.	467.	490.	17673.		
POWER PLANT	3424.	36503.	459.	288.	15192.		
BITUMINOUS COAL	3422.	36500.	457.	137.	13722.	914800.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	3.	2.	2.	151.	1470.	7538.	(1CE06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	636.	2739.	8.	202.	2481.		
BITUMINOUS COAL	14.	3.	0.	0.	3.	360.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	574.	2394.	7.	102.	2033.	67767.	(1000 GAL/YR)
DISTILLATE OIL	3.	7.	0.	1.	11.	2660.	(1000 GAL/YR)
NATURAL GAS	45.	1.	1.	99.	435.	4568.	(1CE06CUFT/YR)
OTHER	0.	333.	0.	0.	0.		
SOLID WASTE	1.	0.	2.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	1.	0.	2.	0.	0.	399.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	4193.	39250.	2629.	3022.	17673.		

NOT REPRODUCIBLE

SOURCE NUMBER 2 REGION NUMBER 043POLITICAL JURISDICTION 23 COUNTY NAME ESSEX COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	929.		1765.		2693.		557.		232.		92874.	
OIL	741.		10524.		371.		222.		839.		148225.	
NATL.GAS	119.		4.		125.		50.		469.		12516.	
COMM&IND												
COAL	91.		265.		349.		84.		35.		13971.	
RES.OIL	34.		0.		0.		4.		89.		2981.	
DIST.OIL	1126.		10656.		15.		225.		4503.		150089.	
NATL.GAS	19.		1.		21.		8.		77.		2051.	
NON-PT												
COAL	1586.		4637.		244.		122.		1831.		244076.	
RES.OIL	93.		634.		1.		12.		242.		8073.	
DIST.OIL	105.		997.		1.		21.		421.		14037.	
NATL.GAS	20.		1.		0.		44.		194.		2220.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	1815.		389.		2593.		778.		778.		518593.	
SOLVENT	0.		0.		0.		1241.		0.		1241.	
VESSELS	0.		0.		0.		0.		0.		0.	
RAILRD	46.		121.		130.		93.		139.		3719.	
DIESEL	221.		398.		2877.		575.		3010.		17707.	
OTHER	0.		0.		0.		2035.		0.		339228.	
AS 25MPH	1060.		642.		335574.		55233.		31741.		3211232.	
AS 45MPH	64.		39.		12863.		2495.		2261.		194901.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	1133.		322.		9881.		2635.		341.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:043 POLITICAL JURISDISCTION:23

NOT REPRODUCIBLE

	PART(T/YR)	SCX(T/YR)	CO(T/YR)	HC(T/YR)	NCX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	1517.	95465.	2380.	360.	0.		
FUEL COMBUST	2689.	14611.	29.	802.	11733.		
POWER PLANT	444.	9382.	3.	350.	7158.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	12900.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	425.	9268.	3.	324.	6801.	129536.	(1000 GAL/YR)
DISTILLATE OIL	14.	114.	0.	9.	188.	3582.	(1000 GAL/YR)
NATURAL GAS	5.	0.	0.	17.	169.	866.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	2244.	5228.	26.	451.	4575.		
BITUMINOUS COAL	874.	139.	12.	6.	92.	12230.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	1240.	5080.	11.	162.	3235.	107840.	(1000 GAL/YR)
DISTILLATE OIL	2.	4.	0.	0.	10.	317.	(1000 GAL/YR)
NATURAL GAS	127.	4.	3.	283.	1239.	14157.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	1.	0.	0.	0.	0.		
MUNCIP INCINER	1.	0.	0.	0.	0.	1982.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	4206.	110075.	2409.	1162.	11733.		

SOURCE NUMBER 3 REGION NUMBER 043POLITICAL JURISDICTION 24 COUNTY NAME HUDSON COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	493.		918.		1401.		290.		121.		48294.	
OIL	550.		7811.		275.		165.		660.		110011.	
NATL.GAS	106.		3.		111.		44.		417.		11125.	
COMM&IND												
COAL	65.		190.		249.		60.		25.		9979.	
RES.OIL	24.		0.		0.		3.		64.		2129.	
DIST.OIL	804.		7612.		11.		161.		3216.		107207.	
NATL.GAS	14.		0.		15.		6.		55.		1465.	
NON-PT												
COAL	1586.		4637.		244.		122.		1831.		244076.	
RES.OIL	93.		634.		1.		12.		242.		8073.	
DIST.OIL	105.		997.		1.		21.		421.		14037.	
NATL.GAS	20.		1.		0.		44.		194.		2220.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	2077.		445.		2968.		890.		890.		593561.	
SOLVENT	0.		0.		0.		955.		0.		955.	
VESSELS	170.		968.		443.		341.		498.		13633.	
RAILRD	140.		365.		393.		281.		421.		11232.	
DIESEL	138.		249.		1798.		360.		1891.		11067.	
OTHER	0.		0.		0.		1272.		0.		212017.	
AS 25MPH	665.		403.		210496.		34646.		19942.		2014318.	
AS 45MPH	96.		58.		19295.		3742.		3391.		292352.	
OTHER	0.		0.		0.		0.		0.		0.	
ADOPCL												
1	0.		0.		0.		0.		0.		0.	
2	0.		0.		0.		0.		0.		0.	
3	0.		0.		0.		0.		0.		0.	
4	0.		0.		0.		0.		0.		0.	
5	0.		0.		0.		0.		0.		0.	
6	0.		0.		0.		0.		0.		0.	
7	0.		0.		0.		0.		0.		0.	
8	0.		0.		0.		0.		0.		0.	
9	0.		0.		0.		0.		0.		0.	
10	0.		0.		0.		0.		0.		0.	
11	0.		0.		0.		0.		0.		0.	
12	0.		0.		0.		0.		0.		0.	
13	0.		0.		0.		0.		0.		0.	
14	0.		0.		0.		0.		0.		0.	
15	0.		0.		0.		0.		0.		0.	

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:043 POLITICAL JURISDICTION:24

	PART(T/YR)	SCX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	775.	107.	0.	203062.	0.		
FUEL COMBUST	2654.	46068.	364.	1587.	37681.		
POWER PLANT	1462.	42041.	354.	1369.	34357.		
BITUMINOUS COAL	251.	26057.	343.	103.	10475.	685700.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	1178.	15979.	8.	1023.	21484.	409211.	(1000 GAL/YR)
DISTILLATE OIL	13.	3.	0.	3.	52.	1745.	(1000 GAL/YR)
NATURAL GAS	20.	4.	2.	241.	2345.	12702.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	1192.	4026.	11.	218.	3324.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	1159.	3998.	10.	151.	3025.	100823.	(1000 GAL/YR)
DISTILLATE OIL	2.	3.	0.	0.	9.	307.	(1000 GAL/YR)
NATURAL GAS	30.	1.	1.	66.	290.	3344.	(1E06CUFT/YR)
OTHER	0.	24.	0.	0.	0.		
SOLID WASTE	50.	0.	0.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	50.	0.	0.	0.	0.	799.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	3479.	46175.	364.	204648.	37681.		

EMISSION INVENTORY

REGION:043 POLITICAL JURISDISCTION:24

PROCESS	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
FUEL COMBUST	0.	0.	0.	0.	0.		
POWER PLANT	7.	24.	0.	1.	19.		
BITUMINOUS COAL	0.	0.	0.	0.	0.		
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
OTHER	0.	0.	0.	0.	0.	0.	(1CE06CUFT/YR)
IND,COMM,INST.	7.	24.	0.	1.	19.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	7.	24.	0.	1.	18.	614.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	1.	8.	(1CE06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	0.	0.	0.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	7.	24.	0.	1.	19.		

SOURCE NUMBER 4 REGION NUMBER 043POLITICAL JURISDICTION 25 COUNTY NAME MIDDLESX COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	186.		353.		539.		111.		46.		18575.	
OIL	382.		5426.		191.		115.		459.		76429.	
NATL.GAS	92.		3.		97.		39.		365.		9734.	
COMMEIND												
COAL	45.		133.		175.		42.		17.		6985.	
RES.OIL	17.		0.		0.		2.		45.		1490.	
DIST.OIL	563.		5328.		8.		113.		2251.		75045.	
NATL.GAS	10.		0.		10.		4.		38.		1026.	
NON-FT												
COAL	1220.		3567.		188.		94.		1438.		187751.	
RES.OIL	71.		487.		1.		9.		180.		6210.	
DIST.OIL	81.		767.		1.		16.		324.		10798.	
NATL.GAS	15.		1.		0.		34.		149.		1708.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	2259.		484.		3227.		968.		968.		645361.	
SOLVENT	0.		0.		0.		764.		0.		764.	
VESSELS	102.		581.		266.		204.		299.		8180.	
RAILRD	101.		263.		204.		203.		304.		8108.	
DIESEL	277.		498.		3597.		719.		3763.		22133.	
OTHER	0.		0.		0.		254.		0.		42403.	
AS 25MPH	1060.		642.		33557.		55233.		31791.		3211232.	
AS 45MPH	257.		156.		51454.		9979.		9043.		779606.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	240.		61.		2136.		557.		148.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:043 POLITICAL JURISDISCTION:25

	PART.(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	7715.	11432.	93484.	13887.	1178.		
FUEL COMBUST.	7252.	21356.	113.	1759.	33699.		
POWER PLANT	1948.	10212.	10.	1260.	25788.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	1919.	10210.	10.	1199.	25167.	479743.	(1000 GAL/YR)
DISTILLATE OIL	7.	1.	0.	1.	27.	884.	(1000 GAL/YR)
NATURAL GAS	22.	1.	1.	59.	575.	2947.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	5305.	11184.	103.	499.	8111.		
BITUMINOUS COAL	2580.	1019.	78.	39.	586.	194150.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	2633.	10075.	23.	344.	6884.	229470.	(1000 GAL/YR)
DISTILLATE OIL	43.	89.	1.	9.	172.	5723.	(1000 GAL/YR)
NATURAL GAS	48.	2.	1.	107.	470.	5487.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	13.	1.	4.	4.	2.		
MUNCIP INCINER	0.	0.	0.	0.	0.	260.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	13.	1.	4.	4.	2.	658.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	14980.	32829.	93600.	15650.	35079.		

SOURCE NUMBER 5 REGION NUMBER 43 POLITICAL JURISDICTION 26 COUNTY NAME MONMOUTH COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	82.		155.		237.		49.		20.		8173.	
OIL	405.		5755.		203.		122.		486.		81061.	
NATL.GAS	145.		5.		153.		61.		574.		15297.	
COMMEIND												
COAL	40.		118.		155.		37.		15.		6187.	
RES.OIL	15.		0.		0.		2.		40.		1320.	
DIST.OIL	499.		4719.		7.		100.		1994.		66468.	
NATL.GAS	9.		0.		9.		4.		34.		908.	
NON-PT												
COAL	305.		892.		47.		23.		352.		46938.	
RES.OIL	18.		122.		0.		2.		47.		1552.	
DIST.OIL	20.		192.		0.		4.		81.		2699.	
NATL.GAS	4.		0.		0.		9.		37.		427.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	2077.		445.		2968.		890.		890.		593501.	
SOLVENT	0.		0.		0.		668.		0.		668.	
VESSELS	409.		2323.		1063.		818.		1194.		32720.	
RAILRD	36.		94.		102.		73.		109.		2901.	
DIESEL	221.		398.		2877.		575.		3010.		17707.	
OTHER	0.		0.		0.		2035.		0.		339228.	
AS 25MPH	790.		479.		250155.		41174.		23697.		2393826.	
AS 45MPH	257.		156.		51454.		9979.		9043.		779606.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPCL												
1	305.		88.		2748.		7240.		184.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:043 POLITICAL JURISDISCTION:26

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	7.	0.	0.	0.	0.		
FUEL COMBUST	63.	205.	1.	8.	165.		
POWER PLANT	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
BITUMINCUS COAL	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	((1000 GAL/YR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	((1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	((1E06CUFT/YR)
NATURAL GAS	0.	0.	0.	0.	0.		
OTHER	63.	205.	1.	8.	165.	0.	((TONS/YEAR)
IND,COMM,INST.	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
BITUMINCUS COAL	0.	0.	0.	0.	0.	5490.	((1000 GAL/YR)
ANTHRACITE COAL	63.	205.	1.	8.	165.	0.	((1000 GAL/YR)
RESIDUAL OIL	0.	0.	0.	0.	0.	1.	((1CE06CUFT/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.		
NATURAL GAS	0.	0.	0.	0.	0.		
OTHER	24.	3.	5.	4.	3.	2025.	((TONS/YEAR)
SOLID WASTE	24.	3.	5.	4.	3.	0.	((TONS/YEAR)
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	((TONS/YEAR)
CN-SITE INCIN.	0.	0.	0.	0.	0.		
OTHER	94.	208.	6.	12.	168.		
TOTAL EMISSIONS							

SOURCE NUMBER 6 REGION NUMBER 043 POLITICAL JURISDICTION 27 COUNTY NAME MORRIS COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	111.		212.		323.		67.		28.		11145.	
OIL	359.		5098.		179.		108.		431.		71797.	
NATL.GAS	79.		3.		83.		33.		313.		8344.	
COMM&IND												
COAL	30.		89.		117.		28.		12.		4690.	
RES.OIL	12.		0.		0.		2.		30.		1001.	
DIST.OIL	378.		3577.		5.		76.		1512.		50387.	
NATL.GAS	7.		0.		7.		3.		26.		689.	
NON-PT												
COAL	525.		1534.		81.		40.		605.		80733.	
RES.OIL	31.		210.		0.		4.		80.		2670.	
DIST.OIL	35.		330.		0.		7.		139.		4643.	
NATL.GAS	7.		0.		0.		15.		64.		734.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	383.		82.		547.		164.		164.		109481.	
SOLVENT	0.		0.		0.		477.		0.		477.	
VESSELS	0.		0.		0.		0.		0.		0.	
RAILRD	65.		169.		182.		130.		195.		5207.	
DIESEL	166.		299.		2158.		432.		2258.		13280.	
OTHER	0.		0.		0.		1527.		0.		254421.	
AS 25MPH	597.		362.		189141.		31131.		17919.		1809967.	
AS 45MPH	161.		97.		32159.		6237.		5652.		467254.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	902.		293.		7745.		2082.		560.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:043 POLITICAL JURISDISCTION:27

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	16.	17.	4.	2.	0.		
FUEL COMBUST	263.	3772.	53.	76.	2235.		
POWER PLANT	0.	0.	0.	0.	0.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	263.	3772.	53.	76.	2235.		
BITUMINOUS COAL	0.	2710.	50.	21.	1390.	71253.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	255.	1061.	3.	39.	771.	25694.	(1000 GAL/YR)
DISTILLATE OIL	0.	1.	0.	0.	2.	53.	(1000 GAL/YR)
NATURAL GAS	7.	0.	0.	17.	72.	827.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	0.	0.	0.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	196.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	280.	3789.	57.	78.	2235.		

NOT REPRODUCIBLE

SOURCE NUMBER 7 REGION NUMBER 043POLITICAL JURISDICTION 28 COUNTY NAME PASSAIC COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	301.		572.		873.		191.		79.		30091.	
OIL	452.		6413.		226.		135.		542.		90325.	
NATL.GAS	92.		3.		97.		39.		365.		9734.	
COMMEIND												
COAL	50.		146.		192.		46.		19.		7684.	
RES.OIL	19.		0.		0.		2.		49.		1639.	
DIST.OIL	619.		5861.		8.		124.		2476.		82549.	
NATL.GAS	11.		0.		11.		5.		42.		1128.	
NON-PT												
COAL	1135.		3318.		175.		87.		1310.		174608.	
RES.OIL	66.		453.		1.		9.		173.		5775.	
DIST.OIL	75.		713.		1.		15.		301.		10042.	
NATL.GAS	14.		0.		0.		32.		139.		1588.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	363.		78.		519.		156.		156.		103719.	
SOLVENT	0.		0.		0.		668.		0.		668.	
VESSELS	0.		0.		0.		0.		0.		0.	
RAILRD	21.		56.		60.		43.		64.		1711.	
DIESEL	138.		249.		1798.		360.		1881.		11067.	
OTHER	0.		0.		0.		1272.		0.		212017.	
AS 25MPH	645.		391.		204395.		33642.		19364.		1955932.	
AS 45MPH	39.		23.		7718.		1497.		1357.		116941.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	0.		0.		0.		0.		0.		0.	
2	0.		0.		0.		0.		0.		0.	
3	0.		0.		0.		0.		0.		0.	
4	0.		0.		0.		0.		0.		0.	
5	0.		0.		0.		0.		0.		0.	
6	0.		0.		0.		0.		0.		0.	
7	0.		0.		0.		0.		0.		0.	
8	0.		0.		0.		0.		0.		0.	
9	0.		0.		0.		0.		0.		0.	
10	0.		0.		0.		0.		0.		0.	
11	0.		0.		0.		0.		0.		0.	
12	0.		0.		0.		0.		0.		0.	
13	0.		0.		0.		0.		0.		0.	
14	0.		0.		0.		0.		0.		0.	
15	0.		0.		0.		0.		0.		0.	

NOT REPRODUCIBLE

REGION:C43 POLITICAL JURISDICTION:28

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	68.	0.	0.	344.	0.		
FUEL COMBUST	381.	1103.	4.	109.	1277.		
POWER PLANT	9.	173.	0.	5.	114.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	9.	173.	0.	5.	114.	2177.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND.COMM.INST.	372.	930.	4.	103.	1163.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	341.	886.	3.	44.	888.	29615.	(1000 GAL/YR)
DISTILLATE OIL	5.	12.	0.	1.	21.	699.	(1000 GAL/YR)
NATURAL GAS	26.	1.	1.	58.	254.	2899.	(10E06CUFT/YR)
OTHER	0.	30.	0.	0.	0.		
SOLID WASTE	5.	0.	25.	8.	0.		
MUNCIP INCINER	5.	0.	25.	8.	0.	499.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	454.	1103.	29.	461.	1277.		

SOURCE NUMBER 8 REGION NUMBER 043POLITICAL JURISDICTION 29 COUNTY NAME SOMERSET COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	45.		85.		129.		27.		11.		4458.	
OIL	93.		1315.		46.		28.		111.		18528.	
NATL.GAS	53.		2.		56.		22.		209.		5562.	
COMM&IND												
COAL	15.		44.		57.		14.		6.		2295.	
RES.OIL	6.		0.		0.		1.		15.		490.	
DIST.OIL	185.		1751.		2.		37.		740.		24658.	
NATL.GAS	3.		0.		3.		1.		13.		337.	
NON-PT												
COAL	330.		963.		51.		25.		380.		50693.	
RES.OIL	19.		132.		0.		3.		50.		1677.	
DIST.OIL	22.		207.		0.		4.		87.		2915.	
NATL.GAS	4.		0.		0.		9.		40.		461.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	1008.		216.		1441.		432.		432.		288107.	
SOLVENT	0.		0.		0.		382.		0.		382.	
VESSELS	0.		0.		0.		0.		0.		0.	
RAILRD	47.		123.		133.		95.		142.		3793.	
DIESEL	94.		169.		1223.		245.		1279.		7525.	
OTHER	0.		0.		0.		865.		0.		144172.	
AS 25MPH	308.		187.		97621.		16068.		9248.		934177.	
AS 45MPH	129.		78.		25727.		4989.		4522.		389803.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPCL												
1	306.		80.		2748.		724.		124.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:043 POLITICAL JURISDISCTION:29

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	344.	27.	0.	0.	0.		
FUEL COMBUST	3032.	1496.	31.	135.	1484.		
POWER PLANT	0.	0.	0.	0.	0.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	3032.	1496.	31.	135.	1484.		
BITUMINOUS COAL	2633.	257.	27.	14.	203.	27000.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	361.	1233.	3.	47.	941.	31369.	(1000 GAL/YR)
DISTILLATE OIL	6.	5.	0.	1.	17.	558.	(1000 GAL/YR)
NATURAL GAS	33.	1.	1.	74.	324.	3702.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	0.	0.	0.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	3376.	1522.	31.	135.	1484.		

SOURCE NUMBER 9 REGION NUMBER 043POLITICAL JURISDICTION 30 COUNTY NAME UNION COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	409.		776.		1185.		245.		102.		40864.	
OIL	411.		5838.		206.		123.		493.		82219.	
NATL.GAS	66.		2.		70.		28.		261.		6953.	
COMM&IND												
COAL	10.		28.		37.		9.		4.		1497.	
RES.OIL	4.		0.		0.		0.		10.		319.	
DIST.OIL	121.		1142.		2.		24.		482.		16081.	
NATL.GAS	2.		0.		2.		1.		8.		220.	
NON-PT												
COAL	1464.		4281.		225.		113.		1640.		225301.	
RES.OIL	86.		585.		1.		11.		224.		7452.	
DIST.OIL	97.		920.		1.		19.		389.		12957.	
NATL.GAS	18.		1.		0.		41.		179.		2049.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	1674.		359.		2391.		717.		717.		478258.	
SOLVENT	0.		0.		0.		764.		0.		764.	
VESSELS	102.		581.		266.		204.		299.		8180.	
RAILRD	48.		126.		135.		97.		145.		3868.	
DIESEL	221.		398.		2877.		575.		3010.		17707.	
OTHER	0.		0.		0.		2035.		0.		339228.	
AS 25MPH	915.		555.		289813.		47701.		27456.		2773337.	
AS 45MPH	64.		39.		12863.		2495.		2261.		194901.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	0.		0.		0.		0.		0.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

NOT REPRODUCIBLE

EMISSION INVENTORY

REGION:043 POLITICAL JURISDISCTION:30

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	481.	5641.	700.	2663.	0.		
FUEL COMBUST	2110.	27475.	14.	925.	18909.		
POWER PLANT	1261.	24852.	6.	796.	16561.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	1250.	24850.	6.	781.	16410.	312580.	(1000 GAL/YR)
DISTILLATE OIL	6.	2.	0.	1.	25.	823.	(1000 GAL/YR)
NATURAL GAS	5.	0.	0.	13.	126.	648.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	849.	2623.	8.	129.	2348.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	782.	2622.	7.	102.	2040.	67990.	(1000 GAL/YR)
DISTILLATE OIL	60.	1.	1.	12.	241.	8049.	(1000 GAL/YR)
NATURAL GAS	7.	0.	0.	15.	67.	2690.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	63.	7.	28.	10.	12.		
MUNCIP INCINER	6.	1.	17.	3.	3.	2499.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	57.	6.	11.	7.	9.	9182.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	2654.	33123.	742.	3598.	18921.		

SOURCE NUMBER 1 REGION NUMBER 045POLITICAL JURISDICTION 2 COUNTY NAME BURLINGN COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL YOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	99.		188.		286.		59.		25.		9873.	
OIL	182.		2578.		91.		54.		218.		36309.	
NATL.GAS	80.		3.		84.		34.		315.		8404.	
COMMCIND												
COAL	16.		47.		61.		15.		6.		2452.	
RES.OIL	7.		49.		0.		1.		19.		618.	
DIST.OIL	234.		2211.		3.		47.		934.		31141.	
NATL.GAS	4.		0.		4.		2.		16.		425.	
NON-PT												
COAL	3640.		1064.		56.		28.		420.		56004.	
RES.OIL	21.		145.		0.		3.		56.		1852.	
DIST.OIL	24.		229.		0.		5.		97.		3221.	
NATL.GAS	5.		0.		0.		10.		45.		509.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	181.		39.		259.		78.		78.		51786.	
SOLVENT	0.		0.		0.		387.		0.		387.	
VESSELS	204.		1162.		532.		409.		597.		16360.	
RAILRD	30.		77.		83.		59.		89.		2372.	
DIESEL	164.		295.		2129.		426.		2227.		13102.	
OTHER	0.		0.		0.		1006.		0.		167593.	
AS 25MPH	399.		242.		126355.		20797.		11970.		1209142.	
AS 45MPH	352.		213.		70337.		13641.		12362.		1065710.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	0.		0.		0.		0.		0.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

EMISSION INVENTORY

REGION:045 POLITICAL JURISDISCTION: 2

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	711.	0.	5300.	0.	0.		
FUEL COMBUST	1368.	3986.	104.	1868.	12909.		
POWER PLANT	885.	1524.	5.	540.	11334.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	854.	1481.	4.	534.	11213.	213577.	(1000 GAL/YR)
DISTILLATE OIL	30.	44.	0.	6.	121.	4044.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	484.	2462.	99.	1328.	1575.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	397.	95.	4.	190.	38000.	(TONS/YEAR)
RESIDUAL OIL	466.	2063.	4.	61.	1215.	40485.	(1000 GAL/YR)
DISTILLATE OIL	1.	1.	0.	0.	3.	112.	(1000 GAL/YR)
NATURAL GAS	17.	1.	0.	38.	167.	1904.	(10E06CUFT/YR)
OTHER	0.	0.	0.	1225.	0.		
SOLID WASTE	4.	1.	6.	1.	1.		
MUNCIP INCINER	4.	1.	6.	1.	1.	1250.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	2083.	3987.	5410.	1869.	12910.		

SOURCE NUMBER 2 REGION NUMBER 045POLITICAL JURISDICTION 3 COUNTY NAME CAMDEN COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	343.		652.		995.		206.		86.		34319.	
OIL	186.		2641.		93.		56.		223.		37195.	
NATL.GAS	67.		2.		70.		28.		263.		7004.	
COMMEIND												
COAL	30.		88.		115.		28.		12.		4607.	
RES.OIL	13.		91.		0.		2.		35.		1162.	
DIST.OIL	439.		4154.		6.		68.		1755.		58507.	
NATL.GAS	8.		0.		8.		3.		30.		799.	
NON-PT												
COAL	7755.		2267.		119.		60.		895.		119312.	
RES.OIL	45.		316.		0.		6.		118.		3946.	
DIST.OIL	51.		487.		1.		10.		206.		6862.	
NATL.GAS	10.		0.		0.		22.		95.		1085.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	1611.		345.		2302.		690.		690.		460320.	
SOLVENT	0.		0.		0.		581.		0.		581.	
VESSELS	102.		581.		266.		204.		299.		8180.	
RAILRD	38.		99.		106.		76.		114.		3039.	
DIESEL	191.		344.		2484.		497.		2599.		15296.	
OTHER	0.		0.		0.		1173.		0.		195525.	
AS 25MPH	618.		374.		195550.		32186.		18526.		1871291.	
AS 45MPH	222.		134.		44357.		8602.		7796.		672070.	
OTHER	0.		0.		0.		0.		0.		0.	
AGCPOL												
1	0.		0.		0.		0.		0.		0.	
2	0.		0.		0.		0.		0.		0.	
3	0.		0.		0.		0.		0.		0.	
4	0.		0.		0.		0.		0.		0.	
5	0.		0.		0.		0.		0.		0.	
6	0.		0.		0.		0.		0.		0.	
7	0.		0.		0.		0.		0.		0.	
8	0.		0.		0.		0.		0.		0.	
9	0.		0.		0.		0.		0.		0.	
10	0.		0.		0.		0.		0.		0.	
11	0.		0.		0.		0.		0.		0.	
12	0.		0.		0.		0.		0.		0.	
13	0.		0.		0.		0.		0.		0.	
14	0.		0.		0.		0.		0.		0.	
15	0.		0.		0.		0.		0.		0.	

EMISSION INVENTORY

REGION:045 POLITICAL JURISDISCTION: 3

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	113.	517.	1400.	5215.	0.		
FUEL COMBUST	348.	1966.	3.	54.	956.		
POWER PLANT	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
NATURAL GAS	0.	0.	0.	0.	0.		
OTHER	0.	0.	0.	0.	956.		
IND,COMM,INST.	348.	1966.	3.	54.	0.	0.	(TONS/YEAR)
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	43302.	(1000 GAL/YR)
RESIDUAL OIL	330.	1918.	3.	43.	861.	1989.	(1000 GAL/YR)
DISTILLATE OIL	15.	45.	0.	3.	60.	403.	(1E06CUFT/YR)
NATURAL GAS	3.	0.	0.	8.	35.		
OTHER	0.	3.	0.	0.	0.		
SOLID WASTE	1.	0.	1.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	1.	0.	1.	0.	0.	363.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	462.	2483.	1404.	5269.	956.		

EMISSION INVENTORY

REGION:045 POLITICAL JURISDISCTION:

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	300.	17.	0.	0.	0.		
FUEL COMBUST	0.	0.	0.	0.	0.		
POWER PLANT	0.	0.	0.	0.	0.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	0.	0.	0.	0.	0.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	0.	0.	0.	0.	0.		
MUNCIP INCINER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	300.	17.	0.	0.	0.		

SOURCE NUMBER 3 REGION NUMBER 045POLITICAL JURISDICTION 4 COUNTY NAME GLOUSTER COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	71.		134.		205.		42.		18.		7052.	
OIL	133.		1886.		66.		40.		159.		26568.	
NATL.GAS	27.		1.		28.		11.		105.		2801.	
COMM&IND												
COAL	11.		31.		41.		10.		4.		1635.	
RES.OIL	5.		32.		0.		1.		12.		412.	
DIST.OIL	156.		1474.		2.		31.		623.		20780.	
NATL.GAS	3.		0.		3.		1.		11.		284.	
NON-PT												
COAL	2374.		694.		37.		18.		274.		36524.	
RES.OIL	14.		95.		0.		2.		36.		1208.	
DIST.OIL	16.		149.		0.		3.		63.		2101.	
NATL.GAS	3.		0.		0.		7.		29.		332.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	564.		121.		806.		242.		242.		161112.	
SOLVENT	0.		0.		0.		194.		0.		194.	
VESSELS	204.		1162.		532.		409.		597.		16360.	
RAILRD	22.		58.		62.		44.		67.		1779.	
DIESEL	79.		142.		1029.		206.		1077.		6333.	
OTHER	0.		0.		0.		486.		0.		81003.	
AS 25MPH	143.		86.		45127.		7428.		4275.		431836.	
AS 45MPH	222.		134.		44357.		8602.		7796.		672070.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	0.		0.		0.		0.		0.		0.	
2	0.		0.		0.		0.		0.		0.	
3	0.		0.		0.		0.		0.		0.	
4	0.		0.		0.		0.		0.		0.	
5	0.		0.		0.		0.		0.		0.	
6	0.		0.		0.		0.		0.		0.	
7	0.		0.		0.		0.		0.		0.	
8	0.		0.		0.		0.		0.		0.	
9	0.		0.		0.		0.		0.		0.	
10	0.		0.		0.		0.		0.		0.	
11	0.		0.		0.		0.		0.		0.	
12	0.		0.		0.		0.		0.		0.	
13	0.		0.		0.		0.		0.		0.	
14	0.		0.		0.		0.		0.		0.	
15	0.		0.		0.		0.		0.		0.	

EMISSION INVENTORY

REGION:045 POLITICAL JURISDISCTION: 4

PROCESS	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
FUEL COMBUST	1124.	7244.	7520.	2064.	10615.		
POWER PLANT	431.	890.	6.	413.	2376.		
BITUMINOUS COAL	0.	0.	0.	0.	0.		
ANTHRACITE COAL	0.	0.	0.	0.	0.	105435.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
DISTILLATE OIL	0.	0.	0.	0.	0.	9924.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	2036.	(1000 GAL/YR)
OTHER	0.	0.	0.	0.	0.	0.	(1E06CUFT/YR)
IND,COMM,INST.	431.	890.	6.	413.	2376.		
BITUMINOUS COAL	0.	0.	0.	0.	0.		
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	228.	705.	2.	30.	594.	19811.	(1000 GAL/YR)
DISTILLATE OIL	33.	179.	0.	7.	134.	4464.	(1000 GAL/YR)
NATURAL GAS	170.	6.	4.	377.	1648.	18836.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	143.	113.	0.	16.	0.		
MUNCIP INCINER	143.	113.	0.	16.	0.	59532.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	1698.	8247.	7526.	2493.	12991.		

SOURCE NUMBER 4 REGION NUMBER 045POLITICAL JURISDICTION 5 COUNTY NAME MERCER COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	165.		313.		477.		99.		41.		16454.	
OIL	230.		3270.		115.		69.		270.		46051.	
NATL.GAS	67.		2.		70.		28.		263.		7004.	
COMM&IND												
COAL	21.		61.		80.		19.		8.		3195.	
RES.OIL	9.		63.		0.		1.		24.		804.	
DIST.OIL	304.		2881.		4.		61.		1217.		40577.	
NATL.GAS	5.		0.		6.		2.		21.		554.	
NON-PT												
COAL	7280.		2126.		112.		56.		840.		112007.	
RES.OIL	43.		291.		0.		6.		111.		3704.	
DIST.OIL	48.		457.		1.		10.		193.		6442.	
NATL.GAS	9.		0.		0.		20.		89.		1018.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	1410.		302.		2014.		604.		654.		402780.	
SOLVENT	0.		0.		0.		387.		0.		387.	
VESSELS	0.		0.		0.		0.		0.		0.	
RAILRD	36.		94.		101.		72.		108.		2891.	
DIESEL	136.		246.		1774.		355.		1856.		10914.	
OTHER	0.		0.		0.		838.		0.		139661.	
AS 25MPH	390.		236.		123347.		20302.		11685.		1180353.	
AS 45MPH	190.		115.		38020.		7374.		6682.		576060.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	621.		203.		5499.		1809.		375.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

EMISSION INVENTORY

REGION:045 POLITICAL JURISDISCTION: 5

PROCESS	PART.(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
FUEL COMBUST	125.	0.	0.	152.	0.		
POWER PLANT	3701.	36527.	558.	404.	19074.		
BITUMINOUS COAL	3544.	38047.	557.	361.	18575.		
ANTHRACITE COAL	3520.	37545.	555.	166.	16643.	1109500.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
DISTILLATE OIL	5.	99.	0.	3.	66.	1250.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
OTHER	18.	3.	2.	191.	1867.	9575.	(10E06CUFT/YR)
IND,COMM,INST.	0.	0.	0.	0.	0.		
BITUMINOUS COAL	158.	480.	2.	43.	498.		
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
DISTILLATE OIL	137.	462.	1.	18.	358.	11941.	(1000 GAL/YR)
NATURAL GAS	10.	11.	0.	2.	40.	1334.	(1000 GAL/YR)
OTHER	10.	0.	0.	23.	100.	1143.	(10E06CUFT/YR)
SOLID WASTE	0.	0.	0.	0.	0.		
MUNCIP INCINER	321.	16.	11.	16.	22.		
OPEN BURNING	17.	1.	1.	1.	2.	28052.	(TONS/YEAR)
ON-SITE INCIN.	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
OTHER	304.	15.	10.	15.	20.	20260.	(TONS/YEAR)
TOTAL EMISSIONS	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
	4147.	38543.	569.	572.	19096.		

SOURCE NUMBER 5 REGION NUMBER 045POLITICAL JURISDICTION 4 COUNTY NAME SALEM COORDINATES X 0.0 Y 0.0 AREA 0.0

	PARTICULATES		SULFUR OXIDES		CARBON MONOXIDE		HYDROCARBONS		NITROUS OXIDES		FUEL TOTAL	
	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED	ACTUAL	EXPECTED
DOMESTIC												
COAL	38.		71.		109.		23.		9.		3761.	
OIL	44.		629.		22.		13.		53.		8856.	
NATL.GAS	5.		0.		6.		2.		21.		560.	
COMM&IND												
COAL	4.		11.		15.		4.		1.		594.	
RES.OIL	2.		12.		0.		0.		4.		150.	
DIST.OIL	57.		536.		1.		11.		226.		7549.	
NATL.GAS	1.		0.		1.		0.		4.		103.	
NON-PT												
COAL	2216.		648.		34.		17.		256.		34089.	
RES.OIL	13.		89.		0.		2.		34.		1127.	
DIST.OIL	15.		139.		0.		3.		59.		1960.	
NATL.GAS	3.		0.		0.		6.		27.		310.	
WOOD	0.		0.		0.		0.		0.		0.	
OPEN BRN	0.		0.		0.		0.		0.		0.	
INCINER	383.		82.		547.		164.		164.		109326.	
SOLVENT	0.		0.		0.		97.		0.		97.	
VESSELS	341.		1936.		886.		682.		995.		27266.	
RAILRD	10.		27.		29.		20.		31.		815.	
DIESEL	33.		59.		426.		85.		445.		2620.	
OTHER	0.		0.		0.		201.		0.		33519.	
AS 25MPH	38.		23.		12034.		1981.		1140.		115156.	
AS 45MPH	98.		60.		19644.		3810.		3453.		297631.	
OTHER	0.		0.		0.		0.		0.		0.	
ADDPOL												
1	0.		0.		0.		0.		0.			
2	0.		0.		0.		0.		0.			
3	0.		0.		0.		0.		0.			
4	0.		0.		0.		0.		0.			
5	0.		0.		0.		0.		0.			
6	0.		0.		0.		0.		0.			
7	0.		0.		0.		0.		0.			
8	0.		0.		0.		0.		0.			
9	0.		0.		0.		0.		0.			
10	0.		0.		0.		0.		0.			
11	0.		0.		0.		0.		0.			
12	0.		0.		0.		0.		0.			
13	0.		0.		0.		0.		0.			
14	0.		0.		0.		0.		0.			
15	0.		0.		0.		0.		0.			

EMISSION INVENTORY

REGION:045 POLITICAL JURISDISCTION: 6

	PART(T/YR)	SOX(T/YR)	CO(T/YR)	HC(T/YR)	NOX(T/YR)	FUEL OR REFUSE	UNITS
PROCESS	108.	1838.	500.	4196.	1191.		
FUEL COMBUST.	177.	1207.	2.	44.	594.		
POWER PLANT	0.	0.	0.	0.	0.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
DISTILLATE OIL	0.	0.	0.	0.	0.	0.	(1000 GAL/YR)
NATURAL GAS	0.	0.	0.	0.	0.	0.	(10E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
IND,COMM,INST.	177.	1207.	2.	44.	594.		
BITUMINOUS COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ANTHRACITE COAL	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
RESIDUAL OIL	161.	1171.	2.	24.	482.	16055.	(1000 GAL/YR)
DISTILLATE OIL	8.	36.	0.	2.	30.	1000.	(1000 GAL/YR)
NATURAL GAS	8.	0.	0.	19.	83.	1024.	(1E06CUFT/YR)
OTHER	0.	0.	0.	0.	0.		
SOLID WASTE	53.	11.	112.	23.	22.		
MUNCIP INCINER	1.	0.	35.	0.	0.	660.	(TONS/YEAR)
OPEN BURNING	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
ON-SITE INCIN.	52.	11.	77.	23.	22.	14866.	(TONS/YEAR)
OTHER	0.	0.	0.	0.	0.	0.	(TONS/YEAR)
TOTAL EMISSIONS	338.	3056.	614.	4263.	1807.		

APPENDIX A AND B

POINT SOURCE DATA FORM

AREA SOURCE DATA FORM

APPENDIX A

POINT SOURCE DATA FORM

APCO (DUR) 193
3/71
REV 3

SOURCE NUMBER	REGION	SIC	SITE	PROCESS NO.	DESCRIPTIVE NAME (a)	COORDINATES KM X	COORDINATES KM Y	POLITICAL JURISDICTION	OWNER (b)	TYPE (c)	OPERATING (hours/year)	STACK PARAMETERS HEIGHT (ft.)	STACK PARAMETERS DIA. (ft.)	STACK PARAMETERS TEMP (°F)	STACK PARAMETERS VELOCITY (ft/sec)	MAXIMUM GAS VOLUME 10^3 (ACFM)	PLUME RISE (ft^2/sec)	
																		A

SOURCE NUMBER	MAXIMUM PROCESS WEIGHT RATE (lb/hr)	NORMAL PROCESS WEIGHT RATE (lb/hr)	COMMENTS (a)	MAXIMUM BOILER CAPACITY (10^6 BTU/hr)	(d) EF	COAL (tons/year)	(d) EF	RESIDUAL OIL (10^3 Gal/year)	(d) EF	DISTILLATE OIL (10^3 Gal/year)	(d) EF	NATURAL GAS (10^6 CF/year)	HEAT CONTENT COAL 10^6 (BTU/ton)	HEAT CONTENT RESIDUAL OIL (10^3 BTU/Gal.)	HEAT CONTENT DIST. OIL (10^3 BTU/Gal.)	HEAT CONTENT NATURAL GAS (BTU/CF)	
																	B

SOURCE NUMBER	% ASH COAL	SULFUR CONTENT COAL	SULFUR CONTENT RESID	SULFUR CONTENT DIST	SULFUR CONTENT NAT. GAS	CONTROL EFFICIENCY PART	CONTROL EFFICIENCY SO_2	DEVICE INDENT	COMMENTS (a)	HAND CALCULATED EMISSIONS (tons/year) PART.	SO_2	CO	HC	NO_2	ALLOWABLE EMISSIONS (tons/year) PART	ALLOWABLE EMISSIONS (tons/year) SO_2	
																	C

SOURCE NUMBER	COMMENTS (a)	
		D

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

(a) Letters and numbers may be put in these columns
(b) Owner → Private = 1; Local = 2; State = 3; Federal = 4; Utilities = 5.
(c) Type → Process = 1; Fuel Combustion = 2; Solid Waste Disposal = 3.
(d) EF → refers to emission factor set number associated with emission factors on emission factor sheet.
All decimal points are implied and are signified by a ▼ between columns.

APPENDIX B

TABLE 3

AREA2 SOURCE DATA FORM

APPORTIONING FACTORS FOR COMPUTER CALCULATED EMISSIONS

Source #	REGION	POLITICAL SUBDIVISION		X COORDIN. KM.	Y COORDIN. KM.	SOURCE AREA km^2	STACK HT. (ft.)	DOMESTIC A-1 COAL	DOMESTIC A-2 OIL	DOMESTIC A-3 NATL. GAS	COMMERCIAL AND INSTITUTIONAL A-4 COAL	COMMERCIAL AND INSTITUTIONAL A-5 RES. OIL	COMMERCIAL AND INSTITUTIONAL A-6 DIST. OIL	COMMERCIAL AND INSTITUTIONAL A-7 NATL. GAS
1, 2, 3, 4, 5, 6														

Source #	INDUSTRIAL A-8 COAL	A-9 RES OIL	A-10 DIST OIL	A-11 NATL. GAS	A-12 WOOD	OPEN A-13 BURNING	A-14 INCINER.	SOLVENT A-15 EVAPOR	VESSELS A-16 DIESEL	A-17 RAILROAD	DIESEL A-18 MOTOR VE	A-19 OTHER	GASOLINE MOTOR VEHICLES A-20 25 M.P.H	A-21 45	A-22 OTHER

HAND CALCULATED EMISSIONS

Source #	PARTICULATE EMISSIONS (tons yr) P-1	P-2	P-3	P-4	P-5	P-6	P-7	P-8	P-9	P-10	P-11	P-12	P-13	P-14	P-15

Source #	SO_x EMISSIONS (tons yr) S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11	S-12	S-13	S-14	S-15

Source #	CO EMISSIONS (tons yr) C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	C-10	C-11	C-12	C-13	C-14	C-15

Source #	HYDROCARBON EMISSIONS (tons yr) H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	H-11	H-12	H-13	H-14	H-15

Source #	NO_x EMISSIONS (tons yr) N-1	N-2	N-3	N-4	N-5	N-6	N-7	N-8	N-9	N-10	N-11	N-12	N-13	N-14	N-15

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75

*APCD (Cont'd)

APPENDIX C

POINT SOURCE QUESTIONNAIRE

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
JOHN FITCH PLAZA, P.O. BOX 1390, TRENTON, N.J. 08625

Dear Sir:

In accordance with the requirements of the Federal Clean Air Act Amendments of 1970, the state is required to provide a comprehensive emission inventory of the five pollutants discussed herein. This inventory will form a basis to develop control program implementation plans. Therefore, it is necessary that you provide the information requested on the enclosed forms concerning operations at your facility.

The information is requested in accordance with the provisions of the New Jersey Air Pollution Control Act, N.J.S.A. 26:2C-9. Survey data will be maintained confidential as provided in the statute and in Section 114(c) of the Federal Clean Air Amendments of 1970 concerning divulgence of methods or processes entitled to protection as trade secrets.

The questionnaire is separated into four sections: fuel combustion, refuse disposal, process losses, and stack data. Each section should be completed regardless of the magnitude or type of material handled, processed or burned. In completing the questionnaire, please assign a separate number to represent each source set forth in Section I, II and III. Provide stack data opposite the same number or numbers in Section IV. It is not necessary to provide emission estimates for fuel use, since these will be calculated. Estimates on emissions from Refuse Disposal or Process Sources should be provided if possible for the following pollutants: sulfur oxides, particulates, carbon monoxide, organic compounds and nitrogen oxides.

Completed forms should be returned to the following:

Mr. David H. Barrett
Bureau of Air Pollution Control
Department of Environmental Protection
P. O. Box 1390
Trenton, New Jersey 08625

If you require additional information or assistance, please contact Mr. Barrett, telephone (609) 292-6723. We would appreciate the return of the questionnaire no later than July 9, 1971. Your cooperation for expeditious completion of the inventory forms is urgently requested.

Very truly yours,

William A. Munroe
Chief
Bureau of Air Pollution Control

Return To:

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR CONTAMINANT EMISSIONS SURVEY

Information is to be representative of Calendar Year 1970

Bureau of Air Pollution Control
P. O. Box 1390
Trenton, New Jersey, 08625

FOR OFFICE USE ONLY
Received By:
Reviewed By:
County:
SIC Number:
Coordinates:

Firm name: _____

Person to contact regarding this report: _____ Title: _____ Phone: _____

Mailing address: _____

Plant address: _____

Nature of business: (Products) _____

Employees at plant location: _____ ; If seasonal, give range _____. Approximate land area at plant location: _____

SECTION 1 – FUEL USE FOR GENERATION OF HEAT, STEAM, AND POWER

Normal operating schedule: _____ Hours per day _____ Days per week _____ Weeks per year _____

Seasonal and/or peak operation period: (Specify) _____

Estimate of percent of total fuel consumed to provide space heat: _____

	A	B	C	D	E	F	G	H	I	J	K	L
				Fuel data (D)					Air cleaning equipment		Estimate of contaminants (M)	
Source No. (A)	Size of unit (input) (B) 10^6 Btu hr	Type unit (C)	Installation Date	Type fuel (E)	Amount per year (F)	Heat content (G) Btu	Percent sulfur (G-H)	Percent ash (coal only) (G-H)	Type (I)	Efficiency (J) %	Type (K)	Quantity (L)

SECTION II – REFUSE DISPOSAL

Refuse disposed of _____ On site _____ Off site – Location of disposal site and/or name of hauler: _____

Normal on-site combustion operating schedule: _____ Hours per day _____ Days per week _____ Weeks per year _____

Seasonal and/or peak operation period: (Specify) _____

	A	B	C	D	E	F	G	H
	Waste material						Estimate of contaminants (M)	
Source No. (A)	Type (N)	Amount per year (F)	Method of disposal (See Code Page 2)	Incinerator capacity, lb/hr	Auxiliary fuel used (O)	Type and efficiency, air cleaning equipment (I-J)	Type (K)	Quantity per year (L)

AIR CONTAMINANT ISSIONS SURVEY

SECTION III – PROCESS EMISSIONS

Normal operating schedule: _____ Hours per day _____ Days per week _____ Weeks per year _____

Seasonal and/or peak operation period: _____

NOTE: For intermittent operations, indicate approximate frequency and duration so that estimates of yearly emissions may be obtained.

	A	B	C	D	E	F	G	H	I
Source No.[A]	Processes or operations releasing contaminants to atmosphere (A – P)	Installation Date	Materials processed and/or used at operations		Quantity of gas discharged from process or operation	Type and efficiency air cleaning equipment (I–J)	Estimate of contaminants[M]		Basis of estimate[R] (Please specify basis)
			Type[Q]	Quantity per year[I]			Type[K]	Quantity per year[L]	

[a] Give a different no. to represent each source and then give stack data opposite the same number on Section IV.
[b] Nameplate data are sufficient.
[c] Hand-fired; underfeed, traveling-grate or spreader stoker; cyclone furnace; pulverized, wet or dry bottom with or without fly ash reinjection; rotary or gun-type oil burner; etc.
[d] Fuel data are to be reported on "as burned basis"
[e] Coke, bituminous coal, anthracite coal; No. 1, 2, 4, 5 or 6 fuel oil; natural gas; LPG; refinery or coke oven gas; wood, etc.
[f] Pounds, tons, or gallons per year.
[g] If unknown, please give name and address of fuel supplier.
[h] Sulfur and ash content for each fuel should be a weighted average.
[i] Cyclone, scrubber, electrostatic precipitator, baghouse, settling chamber, etc.
[j] Please state if efficiency is a rated or operating efficiency.
[k] Fly ash, sulfur oxides, etc. (include chemical description).
[l] Pounds or tons per year.
[m] Give stock test data if available, or otherwise specify basis used.
[n] Rubbish, garbage, mixed garbage and rubbish, waste paper, wood chips or sawdust, etc.
[o] Indicate whether auxiliary fuel is used in incinerators and pit burning, and the amount.
[p] Sulfuric acid-chamber, aluminum smelting-crucible furnace, iron melting-cupola, cement manufacture-dry process, solvent cleaning, or other (please specify).
[q] Acid produced, tons; metal charged or processed, tons; cement produced, bbl.; solvent consumed, gallons; etc. per year.
[r] Process material balance studies, field tests by plant or by equipment manufacturers, or other basis.
[s] List sources Sections I, II, III which utilize each stack.

METHOD OF DISPOSAL CODE:
1. Open-burning dump.
2. Sanitary landfill. (no burning)
3. Burned in boiler or furnace.
4. Incinerator, single chamber.
5. Incinerator, multiple chamber
6. Incinerator, rotary.
7. Conical metal burner.
8. Other (Specify)

SECTION IV – STACK DATA

SOURCES VENTED[S]	HEIGHT (Feet)	INSIDE DIAMETER (Feet)	EXIT GAS		
			Temperature °F	Velocity (FPS)	Moisture (%)

Any supplemental material or data considered pertinent (flow diagrams, reports, summaries, test results, maps) should be submitted with this form.

Date | Name and title of official submitting reports